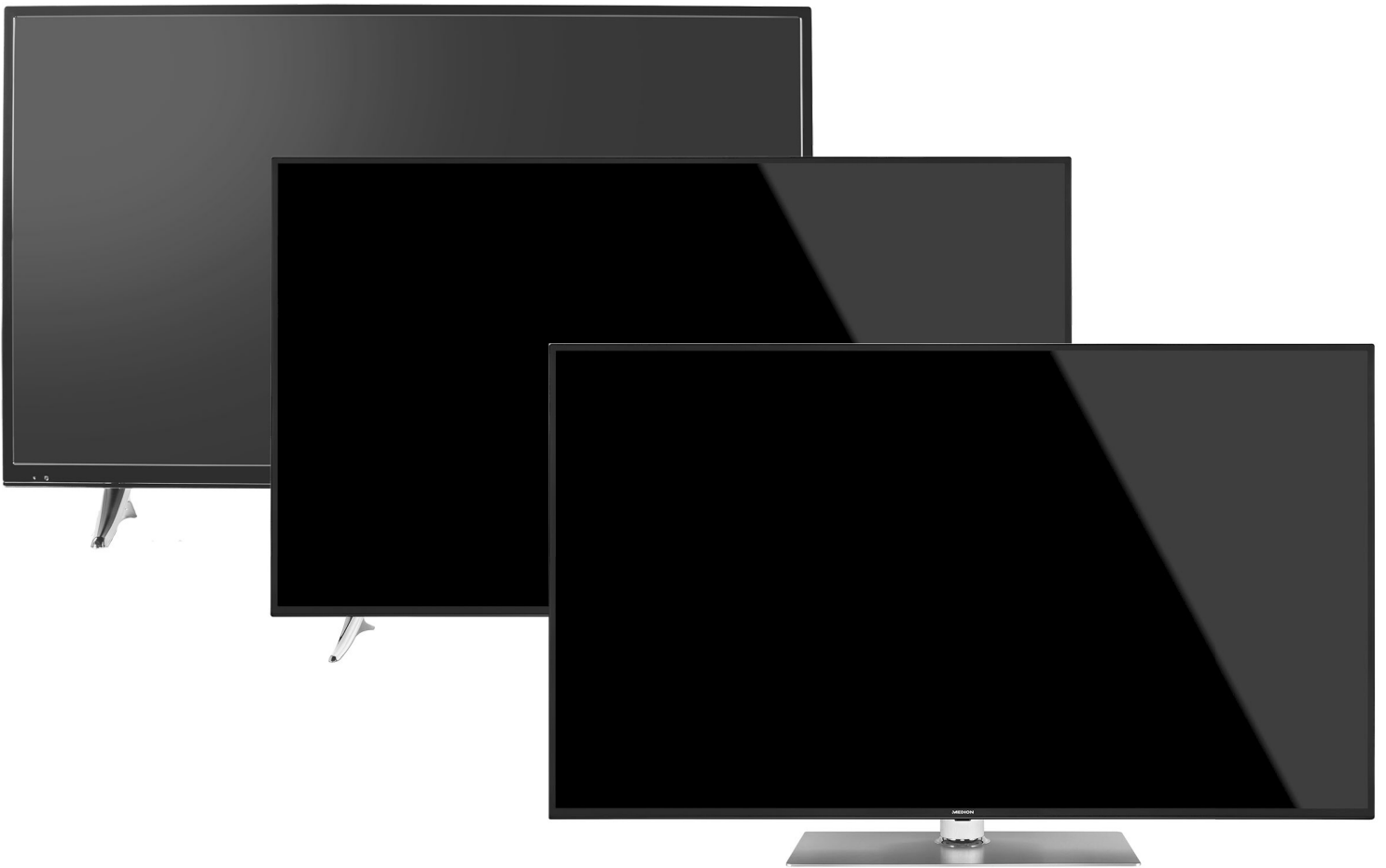


MEDION®

Operating instructions



Ultra HD Smart TV

MEDION® LIFE®

X14020 (MD 31420) / X14321 (MD 31421) / X15022 (MD 31422) / X15523 (MD 31423) / X16524 (MD 31424) /
X15080 (MD 31380) / X15581 (MD 31381) / X16582 (MD 31382)

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1. Information about these operating instructions



Thank you for choosing our product. We hope you enjoy using this device.

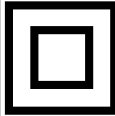


Read the safety instructions carefully before using the device for the first time. Note the warnings on the device and in the operating instructions.

Always keep the operating instructions close to hand. If you sell the device or give it away, please ensure that you also pass on these operating instructions. They are an essential component of the product.

1.1. Key to symbols

If a block of text is marked with one of the warning symbols listed below, the hazard described in that text must be avoided to prevent the potential consequences described there from occurring.

	DANGER! Warning: risk of fatal injury!
	WARNING! Warning: risk of possible fatal injury and/or serious irreversible injuries!
	CAUTION! Warning: risk of minor and/or moderate injuries!
	NOTICE! Follow with these instructions to prevent damage to the device!
	More detailed information about using the device.
	Comply with the notes in the operating instructions.
	Due to the 5 GHz frequency range of the wireless LAN solution used, the device may only be used inside buildings in the EU.
	WARNING! Warning: risk of electric shock!
	WARNING! Warning: danger due to loud volume!
•	Bullet point/information on steps when the device is in use
▶	Instruction to be carried out
	Declaration of Conformity (see "EU declaration of conformity" section): Products that feature this symbol meet the requirements of the EC directives.

	Protection class II Electrical devices in protection class II are devices that have double and/or reinforced insulation throughout, and do not have the option of connecting a protective earth. The housing of an electrical device in protection class II, with surrounding insulating material, may either form all of the additional or reinforced insulation, or part of it.
	Symbol for direct current
	Symbol for AC current

1.2. Proper use

This is an entertainment electronics device and is also suitable for multimedia applications. This device is designed to receive and play back television channels. The various connection options enable the additional extension of the reception and playback sources (receiver, DVD player, DVD recorder, video recorder, PC etc.). Your device can be used in a variety of ways.

The device is only intended for private use and not for industrial/commercial use.

- Please note that we shall not be liable in cases of improper use.
- Do not modify the device without our express agreement and do not use any accessories that have not been supplied or approved by us.
- Only use replacement parts or accessories that we have supplied or approved.
- Comply with all the information in these operating instructions, especially the safety information. Any other use is considered improper and can cause personal injury or property damage.
- Do not use the device in extreme environmental conditions.
- This device is only suitable for use in dry interior rooms.
- This device is not suitable for use as a data monitor for office workstations.

1.3. Ultra HD

Your Smart TV features “Ultra HD” technology. This means that it can play back high-resolution images with four times the resolution of Full HD. An Ultra HDTV signal is required.

1.3.1. HDR (High Dynamic Range)

HDR technology provides a greater dynamic range in terms of the brightness of the colours shown. That means that every colour value reproduced can be displayed in 1024 shades instead of the previous maximum of 256. This fourfold increase in the dynamic range makes the darkest areas of the picture even darker and the brightest areas even brighter. It creates a more realistic impression and makes details visible that were previously unrecognisable with a smaller brightness range. The station, streaming service or hardware of the connected device must support HDR and Blu-ray must be supported.



If HDR content is to be played back, select the HDMI inputs in the **SOURCES > SOURCE SETTINGS** menu and then the **ENHANCED** setting.

1.4. Package contents

Please check your purchase to ensure that all items are included. If anything is missing, contact us within 14 days of purchase. Also contact us in the event of defective or partly defective delivery.

The following items are supplied with your product:

- Ultra HD Smart TV
- Remote control (RC1818) incl. 2 x LR03 (AAA) 1.5 V batteries
- Feet incl. fixing screws
- Operating instructions and warranty card



DANGER!

Risk of choking and suffocation!

Packaging film can be swallowed or used improperly, creating a risk of choking and suffocation.

- ▶ Keep packaging material such as plastic film or plastic bags away from children.

2. Safety information

2.1. Operating safety

- Before using the device for the first time, check the device for damage. A defective or damaged device may not be operated.
- This device may be used by children over the age of 8 and by persons with limited physical, sensory or mental abilities or by those without experience and knowledge, if they are supervised or have been instructed in the safe use of the device and have understood the dangers that result from it.
- Children must not be allowed to play with the device. Cleaning and maintenance by purchasers must not be carried out by children unless they are supervised.



DANGER!

Risk of choking and suffocation!

The packaging material is not a toy! Packaging film can be swallowed or used improperly, creating a risk of choking and suffocation.

Keep packaging material such as plastic film or plastic bags away from children.



DANGER!

Risk of electric shock!

Risk of electric shock, short circuit and fire!

- ▶ Never open the housing of the Smart TV and do not push objects inside the Smart TV through the slots and openings.



WARNING!

Overheating! Risk of fire!

Overheating may result in damage to the Smart TV and the risk of fire!

- ▶ The slots and openings on the TV set are for ventilation purposes. Do not cover these openings, for example with newspapers, table cloths, curtains etc.
- Do not subject the display to pressure. There is a risk of the screen glass breaking.
- The remote control has a Class 1 infrared diode. Never use optical equipment to look at the LED.



CAUTION!

Risk of injury!

Risk of injury due to broken display!

- ▶ Do not touch the display with fingers or sharp objects to avoid damage.
- ▶ Use protective gloves when wrapping up cracked parts.
- ▶ Wash your hands with soap afterwards, as the risk of chemicals escaping cannot be excluded.
- ▶ Send the broken parts to your Service Centre for proper disposal.
- ▶ Disconnect the device from the mains supply immediately and only use it again after it has been checked by a qualified person or customer services. It is an emergency situation if, for example, the device produces smoke or unusual noises, water has penetrated the device, the mains cable or housing is damaged.

Contact customer services if:

- the mains cable is burnt or damaged
- liquid has penetrated the device
- the device is not operating correctly

-
- the device has fallen or its housing is damaged
 - The device produces smoke

2.2. Installation location

- Place the TV set on a sturdy, level surface. Some aggressive varnishes can corrode the rubber feet on the device.
- When used for the first time, new devices may give off a typical, unavoidable but completely harmless odour. This will fade over time. We recommend you ventilate the room regularly to help dissipate this odour. We have taken appropriate measures during the development of this product to ensure that levels are well below legal limits.
- Keep your Smart TV and all connected devices away from moisture and avoid dust, heat and direct sunlight. Non-compliance with these instructions can cause faults or damage to the Smart TV.
- Do not use the device outdoors as it could be damaged by weather such as rain, snow etc.
- The device may not be exposed to water droplets or spray. Do not place any liquid-filled containers (vases or similar) on or next to the device. Such containers could tip over and the liquid could impair the electrical safety of the device.



NOTICE!

Risk of damage!

Risk of injury due to candles and other open flames.

- ▶ Keep candles and other open flames away from this product at all times, to prevent fire from spreading.
- Make sure that there is enough clearance between the device and any surrounding furniture or walls. Ensure a minimum clearance of 10 cm around the device for sufficient ventilation.
- Avoid glare, reflections and extreme dark-light contrasts to protect your eyes.
- The optimal viewing distance is 3 times the screen diagonal.



DANGER!

Risk of injury! Risk of fatal injury!

Only place the TV set on stable surfaces. Falling televisions may cause serious injuries and even death. Many injuries, particularly for children, can be avoided by taking the following precautions.

- ▶ Only operate the Smart TV and its components on a sturdy, level and vibration-free surface to prevent it from falling.
- Only use the TV with the supplied feet and screws.
- Only use furniture that ensures that the TV is positioned safely.
- Take care to ensure that the TV does not protrude over the edges of the furniture.

-
- Do not place the TV on suspended furniture, such as wall cupboards or shelves, without safely and securely fixing both the furniture and the TV set. Take care to ensure that the furniture is mounted correctly and do not exceed its maximum load.
 - Do not place any covers or similar beneath the TV to ensure that it is securely positioned.
 - Warn children of the dangers of climbing on furniture when trying to reach the TV set or its controls.

If you store or change your TV, also observe the safety instructions specified above.

2.3. Ambient temperature

- The device can be operated at an ambient temperature of +5 °C to +35 °C and at a relative humidity of 20% to 85% (non-condensing).
- When switched off, the Smart TV can be stored at temperatures of between -20 °C and +60 °C.
- Keep the device at least one metre away from sources of high-frequency or magnetic interference (televisions, loudspeakers, mobile telephones, etc.) to avoid malfunctions.
- Remove the plug from the mains outlet and the antenna cable from the antenna socket during a thunderstorm or if the device is not going to be used for a long period.



NOTICE!

Risk of damage!

Major changes in temperature or fluctuations in humidity can cause moisture to build up within the Smart TV due to condensation – this can cause an electrical short circuit.

- ▶ After transporting the Smart TV, wait until it has reached ambient temperature before switching it on.

2.4. Repairs

- Repairs to your Smart TV should only be carried out by qualified specialists.
- If a repair must be carried out, please contact only our authorised service partners.
- Take care to ensure that only spare parts specified by the manufacturer are used. The use of unsuitable spare parts can cause damage to the device or the risk of fire.

2.5. Safety when connecting

2.5.1. Power supply

- Even when deactivated, some of the device components are live. To disconnect the power to your Smart TV or to completely isolate the device from voltage sources, disconnect the device from the power supply completely. To do so, remove mains plug from the socket.



DANGER!

Risk of electric shock!

Risk of death due to electric shock when the housing is open.

- ▶ Do not open the device housing. It does not contain any parts for maintenance by the user.
- Only operate the Smart TV from an earthed 220 to 240 V~ 50 Hz socket. Contact your local energy supplier if you have any questions about the power supply at the installation location.
- The socket must always be easily accessible so that the plug can be quickly removed from the socket in an emergency.
- To disconnect the power supply from your TV, pull the plug from the socket.
- For additional safety, we recommend using a surge protection device to protect your Smart TV against damage due to voltage spikes or lightning strike from the power supply.
- Position the cables so that no one can tread on them or trip over them.
- Do not place any objects on the cables as they may be damaged.
- Never touch the plug with wet hands.
- Always hold the housing and never pull on the cable when removing the plug from the socket.
- Please note that the TV set continues to use power when in standby mode (see also the relevant standby consumption in the “Product data sheet” section on page 76).



If the device switches off and restarts due to electrical discharge while in USB mode (media player), optional HbbTV mode or optional LAN/WLAN mode (media player/portal), it may not be able to independently restore the last operating mode. Please start the respective media or applications again.

The last user settings entered may not be restored following an electrical discharge that causes the TV to switch off because these settings are only saved 5 minutes after switching channels.



All multimedia devices that can be connected to the corresponding connections of the TV must comply with the requirements of the Low Voltage Directive.

2.6. Handling batteries

**WARNING!****Risk of explosion!**

Batteries may contain combustible materials and leak, heat up excessively, ignite or even explode.

- ▶ Avoid improper handling of the batteries to prevent damage to your device and your health.

Please follow the safety advice below closely:

- Keep batteries away from children.
Consult a doctor immediately if batteries are swallowed.
- Never charge batteries (unless they are designed to be recharged).
- Never discharge batteries by means of high power output.
- Never short-circuit the batteries.
- Never expose the batteries to excessive heat (such as direct sunlight, fire or similar).
- Do not dismantle or deform the batteries.
You could injure your hands or fingers, or battery fluid could get into your eyes or onto your skin. If you do come into contact with battery fluid, rinse the affected area with plenty of water and consult a doctor immediately.
- Avoid heavy impacts and vibrations.
- Always observe the correct polarity.
- Take care to ensure that the plus (+) and minus (–) poles are correctly inserted to avoid short circuits.
- Do not mix up new and old batteries or different types of batteries.
This could cause your remote control to malfunction. In addition, the weaker batteries would discharge too much.
- Remove used batteries from the device immediately. There is an increased risk of leakage with flat batteries.
- Remove the batteries from the remote control if it is not going to be used for a long period of time.
- Replace all used batteries in the remote control at the same time with new batteries of the same type.
- Cover the contacts of the batteries with sticky tape if you want to store or dispose of them.
- If necessary, clean the battery and device contacts before insertion.
- If the batteries have leaked, wear protective gloves and clean the contacts thoroughly.

3. EU – Declaration of Conformity


Medion AG hereby declares that this device complies with the required regulations in the EU and the fundamental requirements and the other relevant provisions of the following:

- Radio Equipment Directive 2014/53/EU
- Ecodesign Directive 2009/125/EC
- RoHS Directive 2011/65/EU

You can download the complete EU Declaration of Conformity at www.medion.com/conformity.



Due to the 5 GHz frequency range of the integrated wireless LAN solution, the device may only be used inside buildings in the EU (see table).

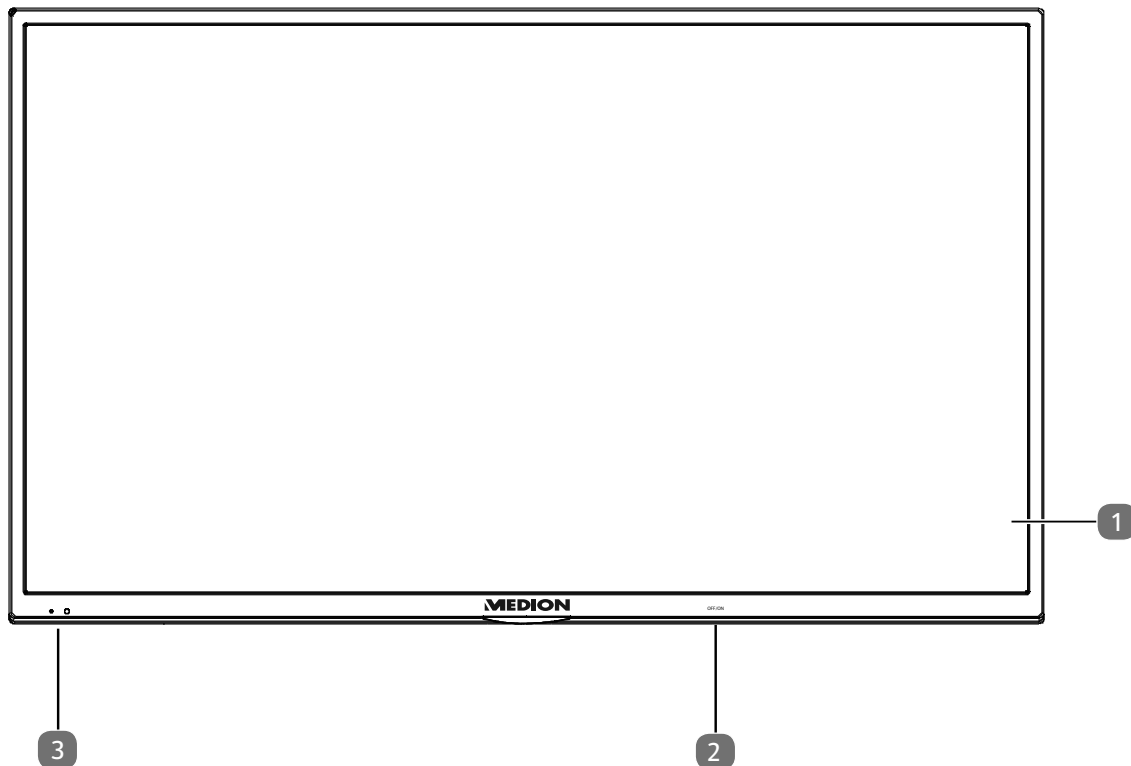
				
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NL	NO	PL	PT	RO
SI	SK	TR	FI	SE
CH	UK	HR		

AT = Austria, BE = Belgium, CZ = Czech Republic, DK = Denmark, EE = Estonia, FR = France, DE = Germany, IS = Iceland, IE = Ireland, IT = Italy, EL = Greece, ES = Spain, CY = Cyprus, LV = Latvia, LT = Lithuania, LU = Luxembourg, HU = Hungary, MT = Malta, NL = Netherlands, NO = Norway, PL = Poland, PT = Portugal, RO = Romania, SI = Slovenia, SK = Slovakia, TR = Turkey, FI = Finland, SE = Sweden, CH = Switzerland, UK = United Kingdom, HR = Croatia

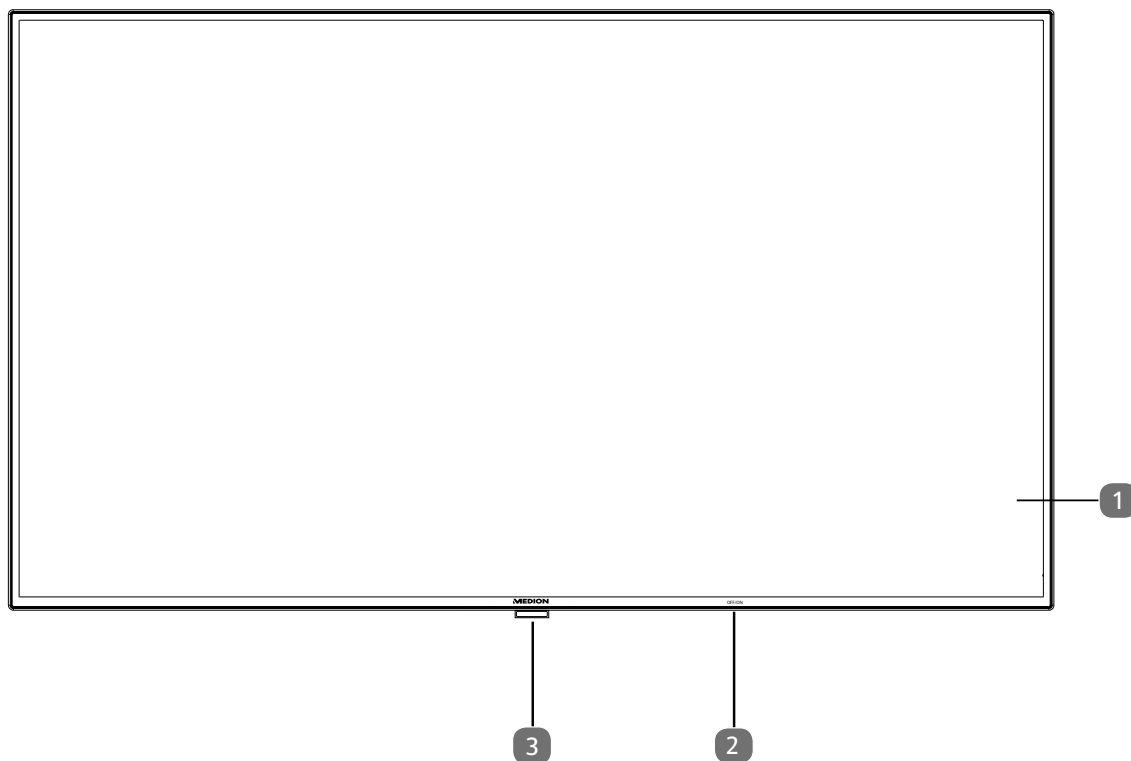
4. Device overview

4.1. Front

MD31380 / MD31381 / MD31420 / MD31421 / MD31422 / MD31423:

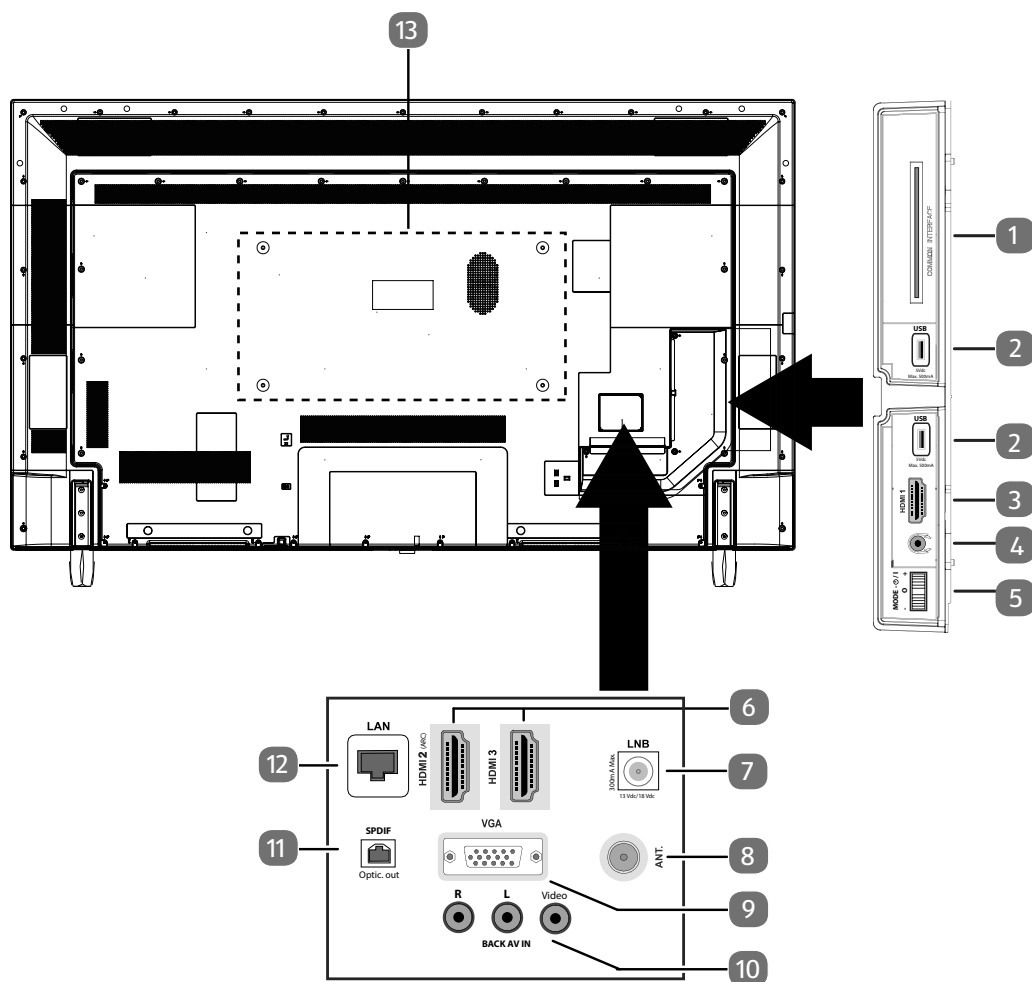



MD31382 / MD31424:



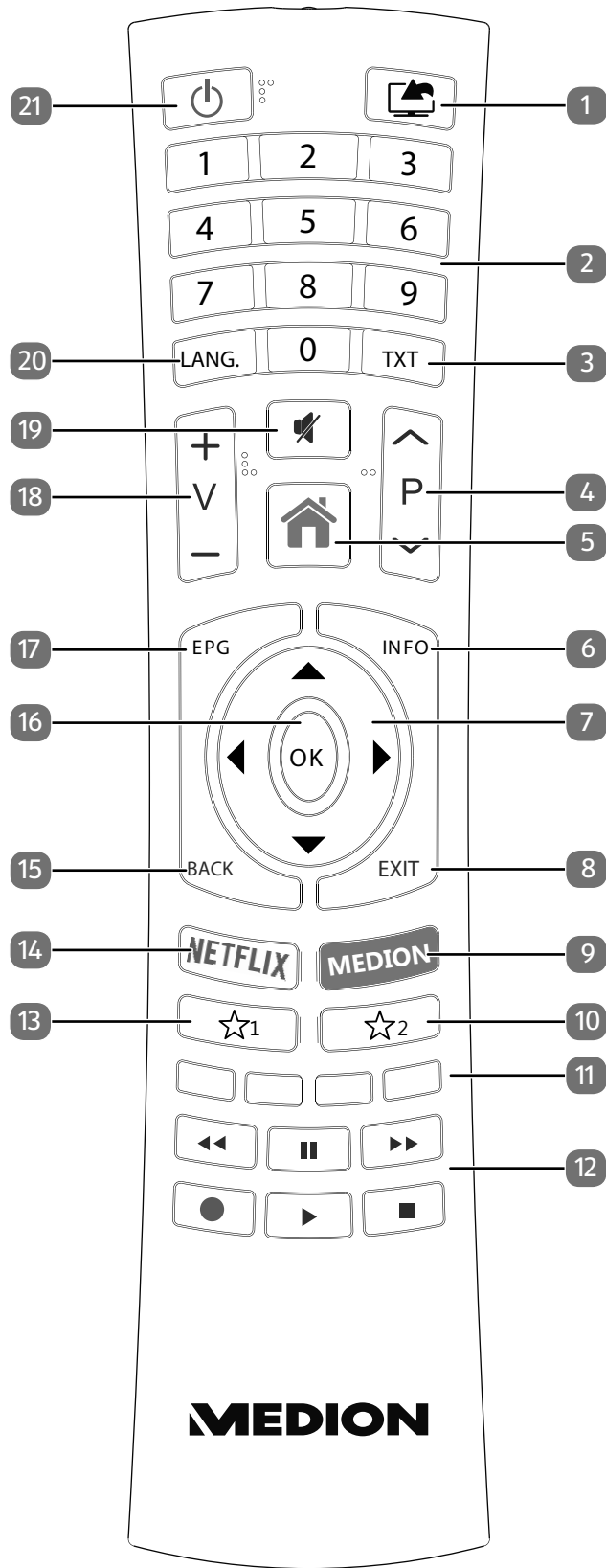
- 1) Screen
- 2) Mains switch
- 3) Infrared sensor: Reception field for the infrared remote control signals.
Operating light: lights up when the device is in standby mode.







4.2. Rear and right-hand side



- 1) **COMMON INTERFACE (CI+):** Card slot for connecting pay TV cards
- 2) **USB (5V $\overline{\text{---}}$, 500 mA max.):** USB connection for media playback/recording (PVR)
- 3) **HDMI 1:** HDMI port for devices with HDMI output
- 4)  For connecting headphones with 3.5 mm jack
- 5) **MODE:** Multifunction button for switching channels, selecting input source or controlling volume. Settings are made by moving upwards (+) or downwards (-). Pressing the button briefly switches between functions. A long press toggles the device between standby mode and operating mode.
- 6) **HDMI 2-3:** HDMI connection for devices with HDMI output (HDMI 2 can be used for CEC/ARC)
- 7) **LNB (13 V/18 V $\overline{\text{---}}$, 300 mA max.):** For connecting the antenna (satellite)
- 8) **ANT.:** For connecting the aerial (analogue, DVB-T or DVB-C)
- 9) **VGA:** VGA port for connecting a PC or a YUV adapter (optional)
- 10) **BACK AV IN:** Audio/video input (cinch)
- 11) **SPDIF optic. OUT:** Digital audio output (optical)
- 12) **LAN:** Network connection for connection to the Internet
- 13) Fixing holes for a wall mount

4.3. Remote control



-
- 1)  (**SOURCE**): Select input signal of connected devices
 - 2) Number buttons:
TV: Channel selection, teletext: Page selection
 - 3) **TXT**: Activate teletext
Press 2 x = set transparent
Press 3 x = close
 - 4) **P▼ / ▲**: Channel selection buttons
TV: select next (+) / previous (-) channel; teletext: select next (+) / previous (-) page
 - 5)  (**MENU**): Open and close menu
 - 6) **INFO**: Digital TV: show information (e.g. current channel number)
 - 7) Direction button **▲**: move up in menu
Digital TV: select infobar for the current channel, teletext: select next page;
Direction button **▼**: move down in menu,
Digital TV: select infobar for the current programme, teletext: select previous page;
Direction button **◀**: move left in menu
Teletext: call up subpages;
Direction button **▶**: move right in menu
Teletext: call up subpage
 - 8) **EXIT**: Exit the menu
 - 9) **MEDION**: Open the MEDION® portal
 - 10) ²: multifunction button for channel position, input source, switching between DVB-S, DVB-T, DVB-C programmes
 - 11) **Red button**: For teletext or menus, HbbTV
Green button: For teletext or menus
Yellow button: For teletext or menus
Blue button: For teletext or menus
 - 12) Media buttons
⏮: Fast rewind;
⏭: Fast forward;
●: Start recording (PVR);
■: Stop playback;
▶: Start playback;
⏸: Pause playback
 - 13) ¹: YouTube/multifunction button for channel position or input source
 - 14) **NETFLIX**: Call up Netflix site
 - 15) **BACK**: Move back one step in the menu
 - 16) **OK**: Confirm selection in certain menus
 - 17) **EPG**: Digital TV: call up the electronic programme guide
 - 18) **V-/+**: Increase (+) or decrease (-) volume
 - 19) : Mute
 - 20) **LANG.**: Analogue TV: stereo/mono;
Digital TV: select audio language (if available)
 - 21) : Switch smart TV on/off (switch standby mode on/off).

4.3.1. Programming the multifunction buttons ☆¹ and ☆²

The ☆¹ and ☆² buttons can be programmed to any channel position or a particular input source.

- ▶ First, select the function you require and then press and hold the corresponding button for 5 seconds until **MY BUTTON IS SET** appears on the screen. This confirms the new programming.



After each **FIRST TIME INSTALLATION**, your customised button programming is deleted and is reset to the factory defaults.

5. Getting started



Before using for the first time, ensure you read the "Safety instructions" section.

5.1. Unpacking

- Select a suitable place for setting up the device before unpacking.
- Open the box very carefully, to avoid damaging the device. The device might get damaged if you use a knife with a long blade to open the box.
- The box contains a number of small items (including batteries). Keep these out of the reach of children, as they represent a choking hazard.
- Store the packaging material in a safe place. Only use this box to transport the TV.



DANGER!

Risk of choking and suffocation!

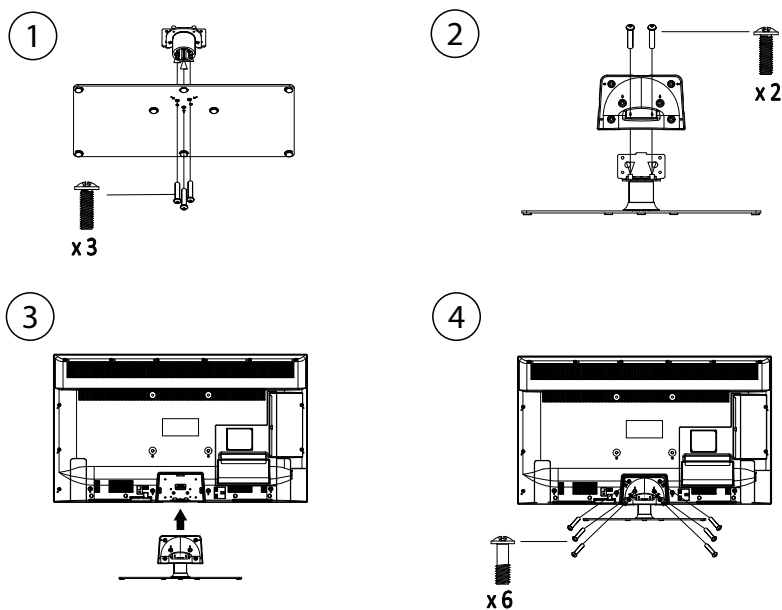
Packaging film can be swallowed or used improperly, creating a risk of choking and suffocation.

- ▶ Keep packaging material such as plastic film or plastic bags away from children.

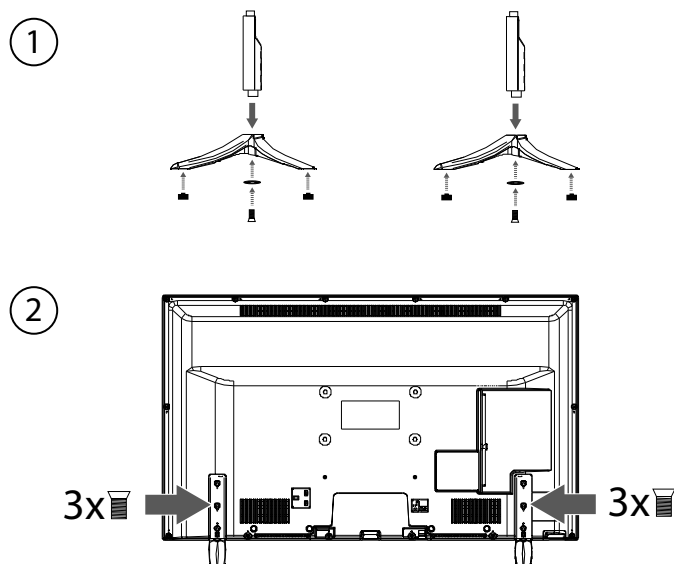
5.2. Mounting

Attach the stand as shown in the illustration. Carry out this step before connecting the Smart TV.

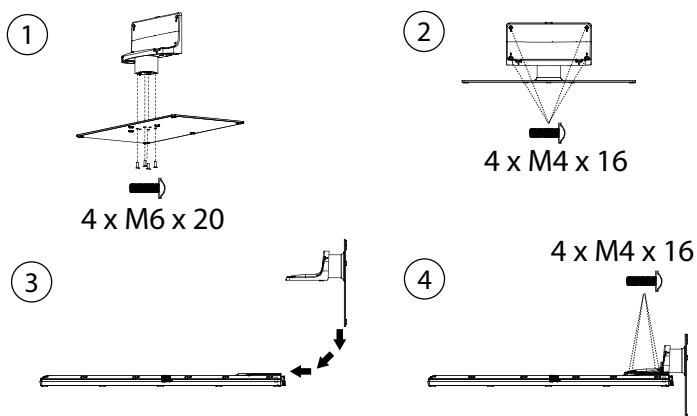
MD31421 / MD31422 / MD31423:



MD31380 / MD31381 / MD31382 / MD31420:



MD31424:



5.3. Inserting batteries in the remote control

- ▶ Remove the battery compartment cover on the back of the remote control.
- ▶ Insert two LR03/AAA/1.5 V batteries in the battery compartment of the remote control. Check the battery polarity (see label on the bottom of the battery compartment).
- ▶ Close the battery compartment.

**NOTICE!****Risk of damage!**

The remote control can be damaged by leaking batteries if not used for a long period of time!

- ▶ Remove the batteries from the remote control if the device is not going to be used for a long period.

5.4. Connecting the antenna

Your smart TV processes different antenna signals.

You can input the following image signals to the television through the socket labelled **ANT.:**

- Via analogue cable/an analogue house aerial
- Via a DVB-T2/ DVB-T¹ antenna or
- Via a DVB-C¹ connection (digital cable connection)
- ▶ Insert the antenna cable either from the house aerial/analogue cable connection, a DVB-T antenna or the DVB-C connection in the antenna socket on the Smart TV.

You also have the option of connecting a digital satellite system to the socket labelled **LNB.**

- ▶ Screw a coaxial antenna cable's F connector onto the connector on the satellite connection (**LNB**) of the Smart TV.

¹ This service must be available in your region.



To receive encrypted/subscription channels you will need to use a CI module (Conditional Access Module) and an appropriate card. Insert a CI module (available in specialist shops) in the slot provided for this purpose on the left-hand side of the device (**COMMON INTERFACE**). You can then insert your provider's card in the CI module.

5.5. Connecting the power supply

- ▶ Connect the mains plug on the device to an easily accessible 220 to 240 V ~ 50 Hz mains socket. The socket must always be easily accessible.

5.6. Switching the Smart TV on and off

- ▶ Set the mains switch on the bottom of the device to **ON**. The TV set then starts and the display on the front lights up.
- ▶ Switch the device to standby mode using the standby/on button on the remote control or by pressing and holding **MODE** on the multifunction switch. The device continues to use power even when switched off (see also the relevant power consumption in standby mode in the "Product data sheet" section on page 76).
- ▶ To switch the device on from standby mode, press
 - on the remote control: the standby/on button, one of the number buttons or one of the **P**▼ / ▲ buttons;
 - on the device: **MODE**. multifunction switch
- ▶ Use the mains switch to switch off the device (**OFF** position). The device will continue to consume power as long as it is connected to the mains network (see the relevant power consumption when switched off in the "Product data sheet" section on page 76).



If the device is not receiving an input signal, it will automatically switch to standby mode after three minutes. A countdown timer will be displayed on the screen until this time. This function is not available for all sources.

5.7. Using the multimedia connections



NOTICE!

Risk of damage!

Incorrect operation can cause damage to the equipment used.

- ▶ Before wiring and first use, you must also read the operating instructions of the devices you are connecting. Take care to ensure that all devices are switched off during wiring.



NOTICE!

Risk of damage!

If plugs and sockets are connected incorrectly it can cause damage to the contacts.

- ▶ Take care to ensure that the plugs and corresponding sockets fit together precisely in order to avoid any damage to the contacts. Due to the arrangement of the contacts, many plugs will only fit into the socket in one position.

5.7.1. AV

The AV transmission (composite) works via three cinch connections, of which one transmits the video signal (yellow) and two transmit the stereo audio signal (red/white). Use a standard AV cable.

- ▶ Connect the AV output of the playback device with the AV input of the TV.

5.7.2. HDMI

HDMI (High Definition Multimedia Interface) is an interface for digital video and audio transmission. It has the highest quality of transmission and can also play Ultra HD resolution, from version 2.0. Use a standard HDMI cable:

- ▶ Connect the corresponding HDMI ports of the devices used with an HDMI cable.

5.7.3. HDMI ARC (Audio Return Channel)

If you want to use a TV set as a signal receiver AND signal source (to transmit an audio signal to an audio receiver), you must use the HDMI2 port with audio return channel (ARC). The HDMI connection to the TV then works in both directions. It can receive image and sound signals from a video device and the audio signal of the TV set can also be sent to the audio receive via the audio return channel.

- ▶ Connect the video device (e.g. Blu-ray player) to the audio receiver via HDMI.
- ▶ Connect the audio receiver to the TV set via HDMI/ARC.
- ▶ Take care to ensure that the speaker control of the TV set is routed to the external amplifier.

5.7.4. HDMI CEC (Consumer Electronics Control)

CEC is the abbreviation for Consumer Electronics Control. If you connect different devices via CEC-enabled HDMI connections, you can control certain functions of the entire HDMI network with a single remote control (e.g. standby or record functions):

- ▶ Connect all devices via CEC-enabled HDMI ports with HDMI cables. The HDMI ports on your TV set are all CEC-enabled.
- ▶ Take care to ensure that the CEC functions are enabled for all ports and that all devices are connected accordingly.

5.7.5. USB

A USB port can be used to connect and read storage media such as USB sticks or external hard drives. Use a suitable USB cable. If a suitable USB cable is supplied, you should use this (e.g. for hard drives). Always verify the power consumption of the USB storage medium used and use the corresponding USB connections.

- ▶ Connect the corresponding USB ports of the devices used with a suitable USB cable. Whenever possible, do not use a USB extension cord as this can cause problems, depending on the voltage.

5.7.6. SPDIF

SPDIF (Sony./Phillips digital interface) is an interface for transferring digital stereo or multi-channel audio signals between various devices. Usually, the digital audio signal is output via a coaxial (cinch) or an optical connection. Your TV features an optical SPDIF port. Use a standard, optical SPDIF cable.

- ▶ Connect the corresponding SPDIF ports of the devices used with a corresponding SPDIF cable.

5.7.7. VGA (PC)

You can connect a PC with a monitor/TV to transmit the video signal via the VGA port. Use a standard VGA cable.

- ▶ Connect the corresponding VGA ports of the devices used with a VGA cable.

5.7.8. VGA (YPbPr)

The VGA connection of your TV can be used for the video transmission of the YPbPr signal. Use a suitable YPbPr adapter.

- ▶ Connect the VGA port of your TV to the YPbPr cinch connections (red/blue/green) of the video device. Use the supplied YPbPr adapter (optional).
- ▶ Use the AV audio connections of your TV set (red/white) for audio transmission and connect them with the YPbPr audio connections of the video device (red/white). Use the supplied AV adapter (optional).

5.7.9. LAN

You can connect the TV set to the Internet via the LAN connection and receive online content (e.g. streaming services) via your device.

- ▶ Connect the LAN connection of the TV set to your network or router using a network cable (Ethernet cable).
- ▶ Make all the necessary network settings on the devices.

5.7.10. Headphone output (Headphones Out)

The headphone socket is used for connecting a pair of headphones with a stereo mini jack connection.

- ▶ Connect the headphones to the stereo mini jack of the device.
- ▶ You can set the volume of the headphone signal in the sound menu. If necessary, mute the speaker of the TV.



WARNING!

Risk of hearing damage!

To prevent possible damage to your hearing, avoid listening at high volume over long periods of time.

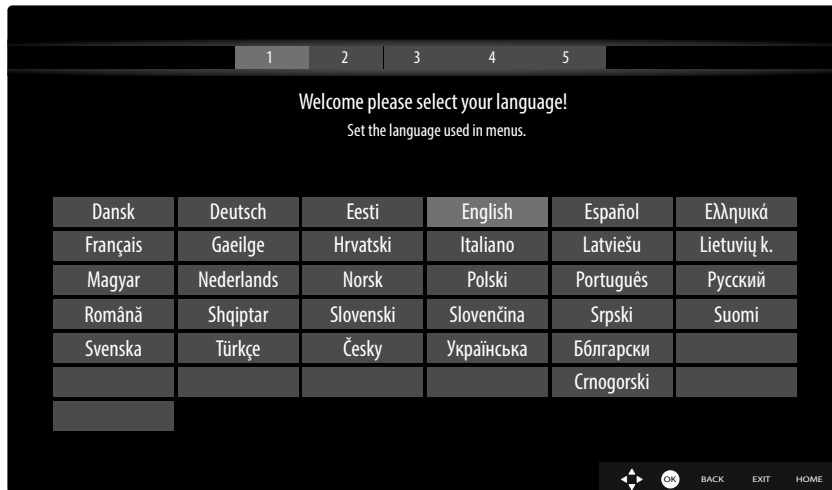
- ▶ Before pressing play, set the volume to the lowest setting.
- ▶ Start playback and increase the volume to a comfortable level.

5.8. Station search after switching on for the first time



The descriptions in the operating instructions generally refer to operation with the remote control. In some exceptional cases, operation using the multifunction button on the device itself is also described.

You will be guided through the initial installation after you switch on the device for the first time. You can call up the initial installation at any time via the **SETTINGS > INSTALLATION > FIRST TIME INSTALLATION** menu and run it again.

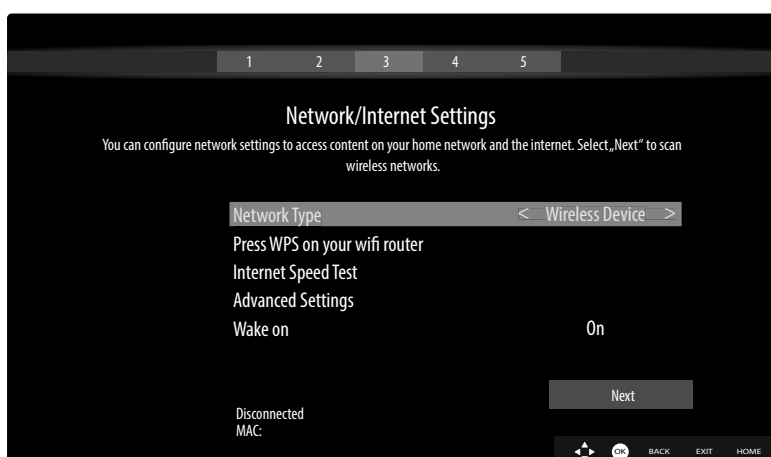


- ▶ Use the ▼ ▲ ◀ ▶ buttons to select the language.
- ▶ After confirming the selected language with **OK** the initial installation will begin.



- ▶ Select the desired country using ▼ ▲ ◀ ▶. The country setting will influence the order in which the channels are stored. In addition, there are a number of options preset for the individual countries.
- ▶ Afterwards, press **OK** to continue.
- ▶ Then you will be prompted to accept the MEDION® Smart TV data protection information. This is necessary if you intend to make use of the network/Internet services. Read the data protection information carefully. Use ▼ ▲ ◀ ▶ to select the individual points and press **OK** to confirm, where applicable. If you have any queries, complaints or comments regarding the privacy policy and its implementation, please contact us by e-mail at smarttvsecurity@vosshub.com
- ▶ Finally use ▼ ▲ to select the **NEXT** interface and press **OK** to navigate to the next point.

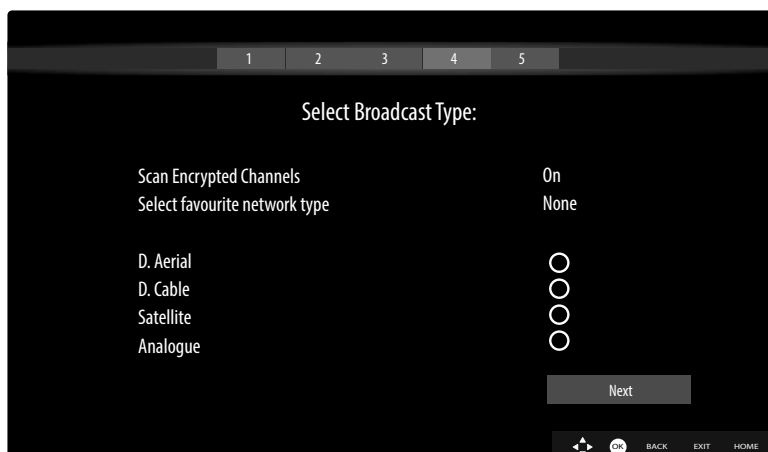
5.8.1. Network/Internet settings



Network settings				
NETWORK TYPE	Use ◀ ▶ to select the network type WIRED DEVICE , WIRELESS DEVICE or DISABLED . After selecting NEXT with the direction buttons ▲ ▼ and confirming with the OK button, an overview of all available networks appears. Make a selection and press OK to confirm. If a password is required for a network, a virtual keyboard appears which you can use to enter this with the help of the direction buttons ◀ ▶ ▲ ▼ and the OK button. After entering the password, select OK on the keyboard and press the OK button to confirm.			
PRESS WPS ON YOUR WIFI ROUTER (only for WLAN)	This option enables you to quickly establish a WPS connection via a wireless network (WLAN). Press and hold the WPS button on your router and confirm with the OK button. Then the WPS connection is established.			
INTERNET SPEED TEST	Press the OK button to test the speed of the internet connection.			
ADVANCED SETTING	Press the OK button to call up further network configuration options.			
	<table border="1"> <tr> <td>IP CONFIGURATION</td> <td>Select the AUTOMATIC or MANUAL setting here. If MANUAL is selected, three additional lines appear, where the IP ADDRESS, SUBNET MASK and DEFAULT GATEWAY data can be entered manually with the aid of the direction buttons ◀ ▶ and the number buttons.</td> </tr> <tr> <td>DNS CONFIGURATION</td> <td>Choose between AUTOMATIC or MANUELL here. If MANUAL is selected, two additional lines appear, where the DNS SERVER 1 and DNS SERVER 2 data can be entered manually with the aid of the direction buttons ◀ ▶ and the number buttons.</td> </tr> </table>	IP CONFIGURATION	Select the AUTOMATIC or MANUAL setting here. If MANUAL is selected, three additional lines appear, where the IP ADDRESS , SUBNET MASK and DEFAULT GATEWAY data can be entered manually with the aid of the direction buttons ◀ ▶ and the number buttons.	DNS CONFIGURATION
IP CONFIGURATION	Select the AUTOMATIC or MANUAL setting here. If MANUAL is selected, three additional lines appear, where the IP ADDRESS , SUBNET MASK and DEFAULT GATEWAY data can be entered manually with the aid of the direction buttons ◀ ▶ and the number buttons.			
DNS CONFIGURATION	Choose between AUTOMATIC or MANUELL here. If MANUAL is selected, two additional lines appear, where the DNS SERVER 1 and DNS SERVER 2 data can be entered manually with the aid of the direction buttons ◀ ▶ and the number buttons.			
WAKE ON	Activate/deactivate the Wake-On LAN/Wake-On Wireless LAN function (WoL/ WoWLAN). This enables you to switch on the Smart TV via a different device (e.g. a smartphone with the MEDION® Life Remote app). Both devices must be connected to the same network via LAN or WLAN for this purpose. Select the ON setting to activate the function. The device being used as a remote control must be connected to the TV set once when it is switched on. The control function only works when the TV is in standby mode. If the TV is turned off and on again at the mains switch, the connection between the two devices is automatically restored.			

▶ Exit the network settings by pressing **OK**.

5.8.2. Transmission type



Before starting the station search, select the following options:

- ▶ **SELECT BROADCAST TYPE:** Use ◀ ▶ to select the preferred reception type. If you use several reception types, you can use ▲ ▼ to select the types stated below and press **OK** to activate.
- ▶ Use ▲ ▼ to select **NEXT** and press **OK** to confirm.

5.8.3. Cable digital

If you have previously activated the **D. CABLE** reception type, you can now also make settings for the network channel scan. If necessary, the **NETWORK, FREQUENCY, NETWORK ID** and **SEARCH STEP** can be adjusted accordingly here.

5.8.4. Satellite

If you have previously activated the **SATELLITE** reception type, you can now also make settings for the antenna type:

- ▶ To set the antenna type, select one of the following antenna types:
 - **DIRECT:** Select this antenna type if you have a single receiver and a satellite antenna. Press the **OK** button and then select the desired satellite (you can also call up the transponder list using the **OK** button). Afterwards, press the **OK** button again to start the search. After that, decide whether or not the channel list should be loaded.
 - **SINGLE SATELLITE CABLE:** Select this antenna type if you have multiple receivers and a single-cable system. Press the **OK** button and make all desired settings for the **SATELLITE POSITION 1/2, USER BAND** and **BAND FREQUENCY** (you can also call up the transponder list using the **OK** button). Afterwards, press the **OK** button again to start the search. After that, decide whether or not the channel list should be loaded.
 - **DISEQC SWITCH:** Select this antenna type if you have multiple satellite antennas and a DiSE-qC switch. Press the **OK** button and activate the desired **DISEQC** switch **1 - 4** (you can also call up the transponder list using the **OK** button). Then select the correct **VERSION (DISEQC V.1.0 or DISEQC V1.1)**. Afterwards, press the **OK** button again to start the search. After that, decide whether or not the channel list should be loaded.

The search progress is displayed during the search. In addition, the number of already found TV and radio stations is displayed.

- ▶ Afterwards, press **OK** to continue.

Once the automatic channel storage has completed, a television channel is played back.



The initial installation described here corresponds to **FIRST TIME INSTALLATION** in the **INSTALLATION** menu.


6. Operation

6.1. Channel selection

To select a channel, press either one of the **P** ▼ / ▲ buttons on the remote control, use the **MODE** multifunction switch on the device or select the channel directly using the number buttons. For a two- or three-figure number, press the number buttons in the corresponding order.

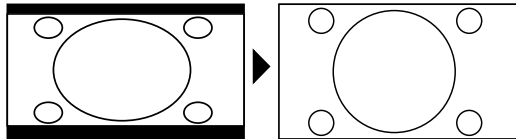
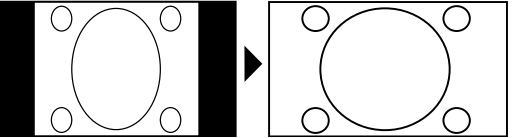
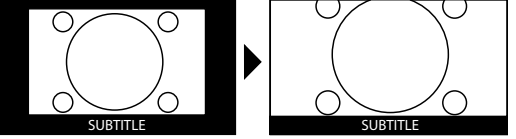
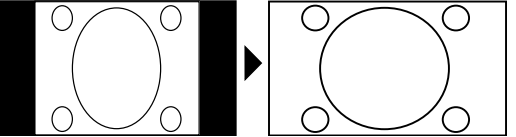
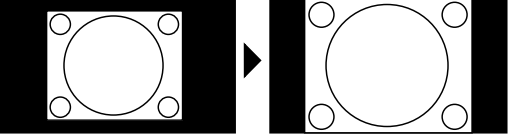
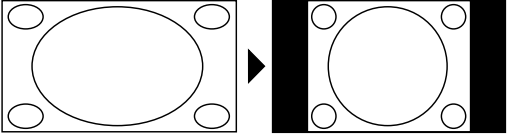
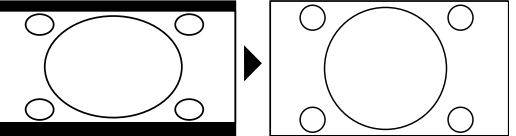
- ▶ By pressing the **OK** button on the remote control, you can call up the channel list, select the channel using the ▲ and ▼ buttons and call it up by pressing **OK**.

6.2. Sound settings

- ▶ You can increase or decrease the volume by pressing the volume buttons **V** / + on the remote control or in speaker mode of the multifunction switch **MODE** on the device.
- ▶ Press the mute button  to switch the volume fully off and on again.
- ▶ Pressing the **LANG.** button opens the **CURRENT LANGUAGE** window.

6.3. Screen settings

- ▶ Depending on the programme, the pictures are transmitted in the formats 4:3 or 16:9. As soon as the **PICTURE** menu is selected using the ◀ ▶ buttons, three direct links appear above it. Here you can navigate directly to the aspect ratio settings and adjust the screen format:

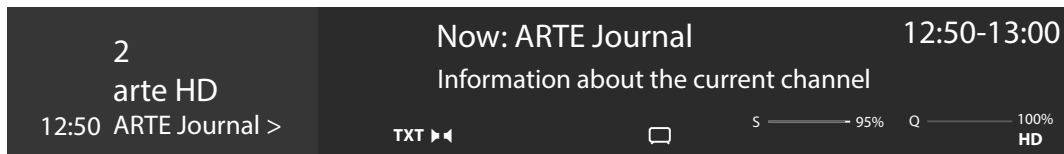
AUTO: The format displayed is automatically adjusted to match the input signal.	
FULL: (Only in HDMI mode and with HD TV channels received via cable and satellite): Pixel-perfect reproduction of the image (1:1).	
16:9: For undistorted picture display in 16:9 format	
SUBTITLE: This function is used to zoom a widescreen image (picture format 16:9) with subtitles to full screen size.	
14:9: This option sets the 14:9 picture format.	
14:9 ZOOM: This function is used to zoom a widescreen image (picture format 14:9) to the upper and lower edges of the screen.	
4:3: Is used to view a standard image (picture ratio of 4:3) as this is its original format.	
CINEMA: This function is used to zoom a widescreen image (picture format 16:9) to full screen size.	

You can also change the picture format in the menu **SETTINGS > PICTURE > ADVANCED SETTINGS > PICTURE ZOOM**.



Please note that not all picture formats are available depending on the chosen picture source.

6.4. Displaying information



- ▶ Press the **INFO** button to display information about the current channel. The infobar is also displayed if different signal inputs are used.
- ▶ You receive the same information when you switch over to a different channel.
- ▶ If you press the **INFO** button twice (or the **INFO** button once and the **▶** button once), a description of the current TV channel is displayed (if available). This automatically scrolls through the text. If the information changes too quickly, you can use the **▲** and **▼** arrow buttons to scroll up and down through the text yourself.

6.5. Opening the favourites list

In the **CHANNELS** menu you can add individual channels to up to four different favourites lists.

- ▶ Press the **🏠** button (**MENU**) and use the **◀ ▶ ▲ ▼** buttons to select the **HOME > CHANNELS** menu and press the **OK** button. The list of channels then opens. Alternatively, you can press the **OK** button when the device is in use (the list of channels opens).
- ▶ Above the list, then use the **◀ ▶** buttons to select **EDIT** and use the **▲ ▼** buttons to select a station to be added to the favourites list and press **OK**. A menu then opens. Here, use the **▲ ▼** buttons to select **TAG/UNTAG CHANNEL**. A check mark then appears after the station. To add further stations to the list, use the **▲ ▼** buttons to select them and press **OK**. To then navigate to the **EDIT** menu, press the **BACK** button.
- ▶ Use the **▲ ▼** buttons to select **ADD/REMOVE FAVOURITES** and press **OK**.
- ▶ After that, four possible favourites lists are displayed (**LIST 1-4**). You can now assign the marked channel to the desired favourites lists (**LIST 1 - 4**). To do this, select the **ON** entry in the corresponding list and then press **OK**.
- ▶ Press **OK** or **EXIT** to exit the list of channels.
- ▶ To call up a favourites list, open the list of channels as described above and then use the **◀ ▶** buttons to select the **FILTER** option. Next, select the desired favourites list (**LIST 1 - 4**) under **FAVOURITES**. When the **CHANNELLIST** is opened using the **OK** button, only the stations in the corresponding favourites list are displayed and you can switch between them.



Under **TV**, use the **▶** buttons to select **CHANNELS**, the **FAVOURITES** direct link appears above it. You can call up existing favourites lists directly here.

6.6. Selecting the source



Please note that the source (the connected device) is only recognised when connecting using the (**SOURCE**) button or in the **TV** menu, if this source is activated in the **SETTINGS > SYSTEM > SOURCES** menu or in the **SOURCES > SOURCE SETTINGS** menu.

- ▶ Use the (**SOURCE**) button to select the inputs for the connected devices. When the **SOURCES LIST** menu is open, press the corresponding digit to select the desired source directly.

- | | |
|----------------------------|---|
| 1. TV | TV mode (antennas, satellites and cable signals are played back) |
| 2. BACK AV | Audio/video input (AV) |
| 3. HDMI1 | HDMI input 1 |
| 4. HDMI2 | HDMI input 2 (HDMI 2 can be used for CEC/ARC) |
| 5. HDMI3 | HDMI input 3 |
| 6. YPBPR | Device on the VGA input via an adapter (YUV/YPbPr) |
| 7. VGA/PC | Device on PC input |
| 8. WIRELESS DISPLAY | Playback content from another external player |
| USBDISK | USB storage medium (optional) (the name can differ, if necessary) |
| USB2 | USB storage medium (optional) (the name can differ, if necessary) |
| AUDIO VIDEO SHARING | Network service for data exchange between devices (optional) |

- ▶ Alternatively, use the direction buttons **▼ ▲** to go to the desired source.

- ▶ Confirm your selection with the **OK** button.



If the CEC function is enabled, the HDMI source could be renamed from the external player if necessary. The remote control of the TV set controls the connected devices. If the **0** button on the remote control is pressed for several seconds, this controls the television again.



The source can also be selected using the multifunction switch **MODE** on the device. For this, press the switch briefly several times until you reach the source selection menu. Then select the desired source by moving upwards (+) or downwards (-). In addition, you can call up all activated sources in the menu **SOURCES > SOURCE SETTINGS**.

6.7. Wireless display

Via wireless display you have the option of playing content from an external player (e.g. tablet PC, smartphone etc.) via the television. The external device must have at least Android version 4.2 installed. The **WIRELESS DISPLAY** function is only available for Android devices.

Select **WIRELESS DISPLAY** as the source. The “Wireless display – ready to connect” start screen appears.

You must activate screen mirroring on the playback device. The playback device now detects the available TV sets with which a connection can be established.

After the television is selected, a connection is established. Notification “Connection with wireless display is made” appears. Then the TV will mirror the screen content of the playback device.



Wireless display can only be used if the mobile device supports this function.

The detection and connection processes differ depending on the programs you use. Please refer to the operating instructions of your playback device. Android-based mobile devices should have the software version 4.2 or higher.



Due to the great variety of different devices and software versions, faultless functionality cannot be guaranteed.

7. Teletext

Teletext is a free service broadcast by most channels and provides the latest news, weather, TV listings, share prices, subtitles and other information. Your TV set offers many useful functions for using teletext including multipage text, subpage saving and quick navigation.

7.1. Using the teletext

Your remote control has special buttons for operating the teletext.

- ▶ Select a TV channel that broadcasts teletext.
- ▶ Press the **TXT** button once to display the start/index page for the teletext.
- ▶ Pressing **TXT** again makes the text transparent in front of the TV image.
- ▶ Pressing the **TXT** button a third time switches the device back into TV mode.

7.1.1. Selecting a teletext page

7.1.2. Number buttons

- ▶ Enter the number of the desired teletext page as a three-digit number using the number buttons.
- ▶ The selected page number is displayed in the top left corner of the screen. The teletext counter searches as long as it takes to find the selected page number.

7.1.3. Scrolling through pages

- ▶ The channel selection buttons or ▲ and ▼ direction buttons can be used to scroll forwards or backwards through the teletext pages.

7.1.4. Colour buttons

- ▶ If coloured fields or text entries are displayed at the lower edge of the screen then you can select these contents directly by pressing the appropriately coloured button: RED, GREEN, YELLOW, and BLUE.

7.1.5. Subpages






Some teletext pages have subpages. The lower edge of the screen may contain something like **1/3**, for example. The subpages are displayed one after another at an interval of about half a minute. You can also call up these subpages by pressing the ◀ ▶ button.

7.1.6. INDEX

- ▶ Use the **BACK** button to select the start page containing a list of the teletext contents.








8. Using the On-Screen Display menu (OSD menu)

8.1. Navigating in the menu

- ▶ Press the menu button  (**MENU**) to activate the OSD.
- ▶ Select the main menu with the   direction buttons.
- ▶ Select the submenu from the main menu using the   direction buttons.



With some submenus, direct links open automatically here, giving you the option to access common options quickly and make settings.

- ▶ Press the **OK** button to select the selected option from the submenu.
- ▶ You can use the direction buttons   to select the options from a menu.
- ▶ Press the **BACK** button to move back one menu level and back to the main menu.
- ▶ You can use the direction buttons     to enter a value or make another selection.
- ▶ Close the menu with the **EXIT** or  (**MENU**) button.

Please note that depending on the preset, the menu closes automatically if no button is pressed for a certain amount of time.

You can select the following main menus:

- **HOME** menu
- **SOURCES** menu
- **APPS** menu
- **SETTINGS** menu
- **TV** menu




Due to technical changes, the menus described here may differ from the menus actually displayed on your screen.

Not all menus are available, depending on the source you selected. If **VGA/PC** is selected as the source, other options will appear in the screen settings.


9. The menu system in detail

9.1. Home page




The home page allows you to compile preferred menu options and applications for quick access. To add additional options to the home page, proceed as follows:

- ▶ Select the desired menu option/application in the OSD menu
- ▶ Press the  button. The **ADD TO HOME** entry appears below.
- ▶ Confirm your selection with the **OK** button. The corresponding menu option/application now appears in the **HOME** menu.

To delete menu options/applications from the **HOME**, proceed as follows:



- ▶ Select the desired menu option/application on the **HOME**.
- ▶ Press the  button. The **DELETE** and **MOVE** entries appear below.
- ▶ Select **DELETE** and press **OK** to confirm the selection. The corresponding menu option/application is then deleted from the **HOME**.


To change the arrangement of the menu options/applications, proceed as follows:

- ▶ Select the desired menu option/application on the **HOME**.
- ▶ Press the  button. The **DELETE** and **MOVE** entries appear below.
- ▶ Select **MOVE** and press the **OK** button to confirm the selection.
- ▶ The menu option/application can be moved left and right using the   buttons.
- ▶ Then confirm this with the **OK** button.

The following menu options/applications are preset on the **HOME**:

9.1.1. Media portal menu

Menu option	Settings
<p>MEDION</p>	<p>In the media portal, you have access to news, games, shopping and much more via the pre-installed applications. The ◀ ▶ ▲ and ▼ direction buttons can be used to scroll through the various apps and confirm your selection by pressing the OK button. An Internet connection is required for this function. The media portal hides behind the MEDION button, but can also be called up using the MEDION button. The first time you use the device, you must accept the licence conditions. Then select the desired language.</p> <div data-bbox="623 567 1239 945" data-label="Image"> </div> <p>Confirm your selection by pressing the OK button. Afterwards, the home page of the media portal appears where a shortlist of certain apps is displayed. The following options can be selected here:</p> <ul style="list-style-type: none">  The start view of the media portal appears only on first use or after a reset of the media portal via the yellow button SETTINGS. <ul style="list-style-type: none"> ▶ If you press the MEDION button on your remote control, you are directed straight into the media portal. ▶ With the MEDION button (or with the BACK button,) you can switch from the currently selected app back to the home page at any time. Use the EXIT button to exit the media portal and return to normal TV mode.  A mouse and keyboard can be connected to the USB port of the TV set. It is much easier to use the Internet browser with the help of these input devices. The functionality of all connected devices cannot be guaranteed.

	INTERNET	<p>The open browser function is an app in the media portal and provides you with access to the Internet. After opening, predefined web pages and their logos are shown that you can select directly. You can use the keyboard function to enter URL addresses directly or control web pages via the activated search function. Use the ◀ ▶ arrow buttons on the remote control to navigate through the options and press OK to confirm your selection.</p> <p> Please note that Internet pages with Flash content are not supported by the open browser. It is also not possible to download content.</p>
	ADDING TO THE START SCREEN (My Apps)	Press the green button to add the currently selected app to the start screen.
	SETTINGS	This is where you can specify which language areas the apps should be selected from. In addition, you can reset the portal so that the portal home page is reset to the factory default.
YOUTUBE	Direct link to YouTube. Alternatively, the ☆ ¹ button can be used for direct access (preset).	


9.1.2. Channels menu

The channel list is where you manage your channels. The **CHANNELS** menu can also be opened by pressing the **OK** button when the device is in use.


Channels		
Watch	Edit	Filter
1. Das Erste HD		HD
2. ZDF HD		HD
3. RTL Televisi		HD
4. SAT.1		HD
5. kabel eins		HD
6. ProSieben		HD
7. RTL2		HD
8. VOX		HD
9. SUPER RTL		HD
10. SPORT1		HD

As soon as you call up the channel list, you enter the **WATCH** directory. Use the ◀ ▶ buttons to switch to the additional options **EDIT** and **FILTER**.

Menu option	Settings
WATCH	You can use the ▲ ▼ buttons to select channels from the list and press OK to open. You can use the P+ button or the P- button to scroll pages up or down 10 at a time.

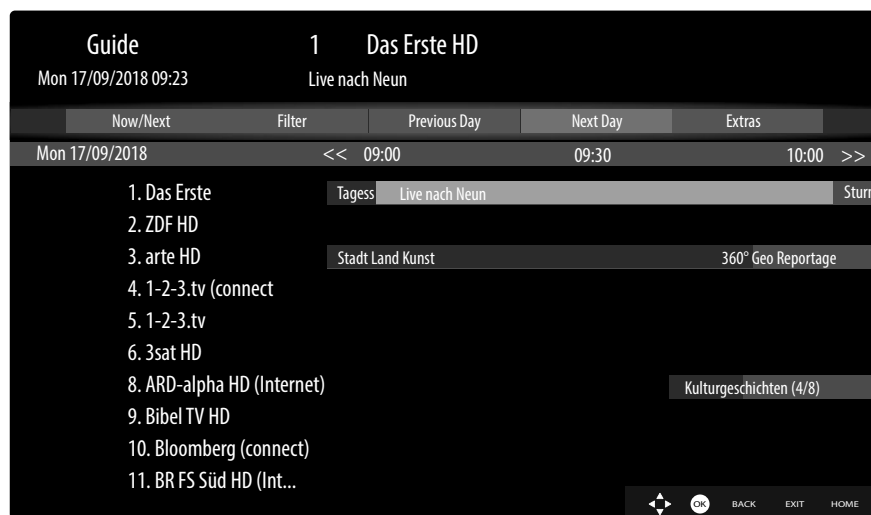
EDIT	<p>To select channels for editing, select a station using the ▲ ▼ buttons and press OK. A menu then opens. Here, use the ▲ ▼ buttons to select TAG/UNTAG CHANNEL. A check mark then appears after the station. To add further stations to the list, use the ▲ ▼ buttons to select them and press OK.</p> <p>The channels with a check mark can be edited with the following options. If you have not selected any channels, the currently selected channel is edited. If you press the BACK button, the following options appear:</p>	
	ADD TO HOME	<p>Press the OK button to select the selected channel from the HOME menu. The channels are then listed there and can be selected directly.</p>
	MOVE	<p>This function enables you to move the currently selected channel (or all marked channels) to a different position in the channel list. Press the OK button and then enter the new channel position using the number buttons. Press the OK button again and confirm the subsequent prompt with YES. The channel will be assigned to the desired channel position and all other channels are shifted accordingly.</p>
	DELETE	<p>This function enables you to delete the currently selected channel (or all marked channels). Press the OK button and confirm the subsequent prompt with YES. The channel will then be permanently deleted. Select NO if you want to cancel this step.</p>
	EDIT NAME	<p>This function enables you to rename the currently selected channel. Press the OK button and select the desired characters with the ◀ ▶ ▲ ▼ buttons. If you then press the OK button, the new name is applied directly.</p>
	LOCK/UNLOCK	<p>This function enables you to lock or unlock the currently selected channel (or all marked channels). You can use the lock function to password protect access to certain channels. Press the OK button and then enter the required password (factory default: 0000). A lock icon appears after the channel name. Do the same to unlock the channel.</p> <p> To lock a channel, you must know the password (factory default: 0000, it can be changed in the SETTINGS > SYSTEM > PARENTAL menu).</p>

	ADD/REMOVE FAVOURITES	You can create up to four favourites lists that you can call up later. If you press the OK button, you can add the currently selected channel (or all marked channels) to one or more favourites lists. To do this, select ON for the desired list and press the OK (or EXIT) button. To remove a channel from a favourites list, select the OFF entry accordingly. If a channel is assigned to the favourites list, a corresponding symbol appears after the channel name. For more information, read the section "Opening the favourites list" on page 27.
	TAG/UNTAG CHANNEL	This function enables you to mark the currently selected channel. A check mark then appears after the channel name. If the current channel has previously been selected, this option removes the check mark.
	TAG/UNTAG ALL	You can use this button to mark all channels. A check mark then appears after the channel name. You can remove the check mark from all channels in the same way.
FILTER	This is where you will find the filter functions for adapting the presentation of the channel list:	
	CHANNEL TYPE	Only the channels for the selected reception type will be displayed.
	TV/RADIO	Select here whether only TV, only radio, only text or all channels are to be displayed in the list.
	FREE/PAY	Select here whether you want to display only free channels, only encrypted channels or all channels in the list.
	A - Z	Here you can individually select each letter of the alphabet, at which point only the channels beginning with the appropriate letter will be displayed in the channel list.
	SORT	Select the type of sorting (ALPHABETIC or NUMERIC).
	HD/SD	Select whether only HD, SD or all channels are displayed.
	FAVOURITES	Select whether one of the four possible favourites lists is to be displayed.
	PROFILE OPTIONS	Here you can make pay TV settings (is not, however, currently supported by the pay TV providers).

	<p>SATELLITE LIST (only for the satellite reception type)</p>	<p>If you wish to call up channels from individual satellites in the channel list, this is where you can select the desired satellites. After pressing the OK button, the channels of the selected satellite appear in the channel list.</p> <p> Even after closing the channel list and re-opening it with the OK button, the previously filtered results continue to appear. To return to the full channel list, you must reset the corresponding filter. If, however, you call up the channel list when the device is in use using the OK button and use the FILTER option, this option acts more like a search function. This means that the complete channel list is displayed the next time you press the OK button after closing the channel list. The previously filtered results are not retained.</p>
	<p>RESET</p>	<p>Press the OK button to start resetting the filter settings.</p>

9.1.3. Programme guide (EPG – Electronic Programme Guide) menu

You can use the **EPG** button to open the programme guide directly.



You will see the current programme and the next programme for the available nations in the table.

► Use ▲ ▼ to select a channel and scroll through the channel offering with ◀ ▶.



The programme information displayed is created by the broadcaster. If no programme information is displayed, this does not mean that your Smart TV is faulty.

The next table shows the options for the **GUIDE**

Menu option	Settings	
NOW/NEXT	Select the NOW/NEXT view. This shows only the current and the next programme for all channels. FILTER enables you to restrict the display according to certain criteria and TIMELINE SCHEDULE takes you back to the original display.	
FILTER	If you are looking for a specific programme, you can use a filter to restrict the selection.	
PREVIOUS DAY	The programme guide for the previous day is displayed. This is only possible up to the current day. Programmes in the past are not displayed here.	
NEXT DAY	The programme guide for the next day is displayed.	
EXTRAS	The following options can be found here:	
	HIGHLIGHT GENRE	This enables you to select the programme genre. This function must be supported by the relevant station. The programme guide then displays programmes from the selected genre.
	GUIDE SEARCH	Search for channels. This is where you can set the channels to be searched, the day and the genre. In addition, a full text search is available to you here.
	NOW	Skip back to the current timeline.
	ZOOM	Minimize time window in four steps.

The next table shows the additional button functions within the programme guide:

Button	Function
OK	If the selected programme is running, the following options are available by pressing the OK button: SELECT CHANNEL: Select this option and press the OK button to switch to the selected channel. MORE INFO: Select this option and press the OK button to display information about the current programme. RECORD: Select this option and press the OK button to start recording the selected channel. After ending the recording by pressing the button, the recording is stored in the list of recordings. For more information, read the section "Aufnahmen menu" on page 58. If the selected programme is in the future, a recording timer is stored in the timer list. The recording then starts automatically at the beginning of the selected programme. For more information, read the section "Timer menu" 57 SET TIMER ON EVENT: If the selected programme is in the future, this option is still available. Select this option and press the OK button to display a shift timer in the timer list. At the start of the selected programme, the device then automatically switches to the corresponding programme. For more information, read the section "Timer menu" 57.
INFO	Displays a detailed description of the selected programme (if available). Press INFO again to hide the description. If the description is longer, use the P ▼ / ▲ buttons to scroll within the text.
BACK	If a programme is running and you wish to select NOW/NEXT , FILTER , PREVIOUS DAY , NEXT DAY or EXTRAS , you must press the BACK button first.

9.2. Source menu

This menu displays all active signal sources and can be selected with the ◀ ▶ button. Then press the **OK** button to call up the selected source.


TV	TV mode (antennas, satellites and cable signals are played back)
BACK AV	Audio/video input (AV)
HDMI1	HDMI input 1
HDMI2	HDMI input 2 (HDMI 2 can be used for CEC/ARC)
HDMI3	HDMI input 3
YPBPR	Device on the VGA input via an adapter (YUV/YPbPr)
VGA/PC	Device on PC input
WIRELESS DISPLAY	Playback content from another external player
USBDISK	USB storage medium (optional)
USB2	USB storage medium (optional)
AUDIO VIDEO SHARING	Network service for data exchange between devices (optional)

The **SOURCE SETTINGS** is where you can activate/deactivate and rename signal sources.



These settings can also be made under **SETTINGS > SYSTEM > SOURCES**.



A signal source that you wish to select with **MODE** or  (**SOURCE**), must be activated in the **SOURCES > SOURCE SETTINGS** menu.



To enable HDR via HDMI, the HDMI input must be set to **ADVANCED**. The HDMI inputs are, if necessary, renamed through the connected devices and the TV remote control operates the connected device.

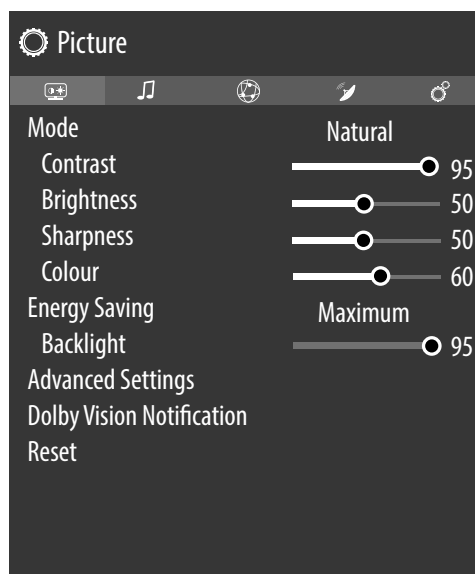
9.3. Applications menu


This is where your preferred Internet applications are displayed, to enable faster access. The **ADD MORE** option, if available, enables you to add additional preferred applications as direct links. The media portal and the YouTube link are pre-installed here.

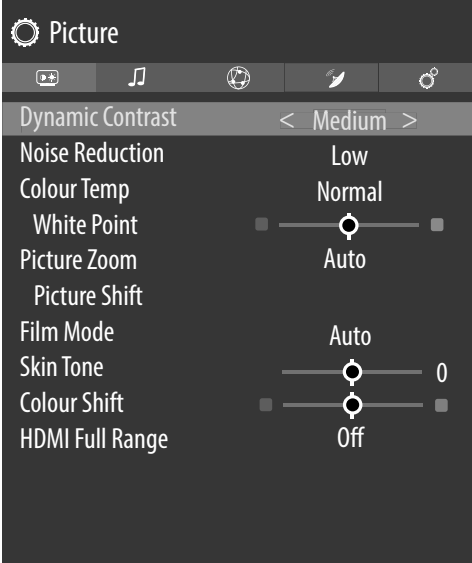
9.4. Settings menu

9.4.1. Picture menu

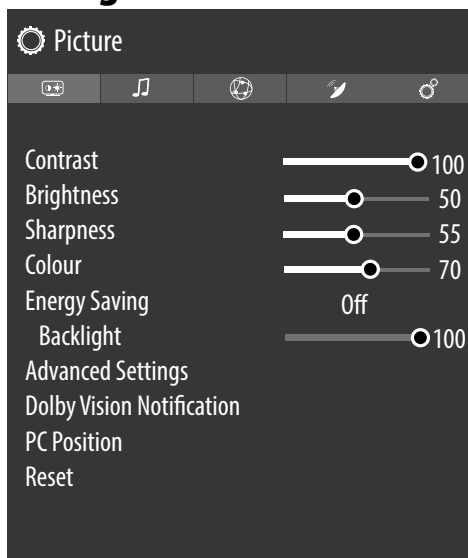
As soon as the **PICTURE** menu is selected using the ◀ ▶ buttons, the **MODE**, **ENERGY SAVING** and **PICTURE ZOOM** submenus appear above for quicker navigation and can be selected directly.



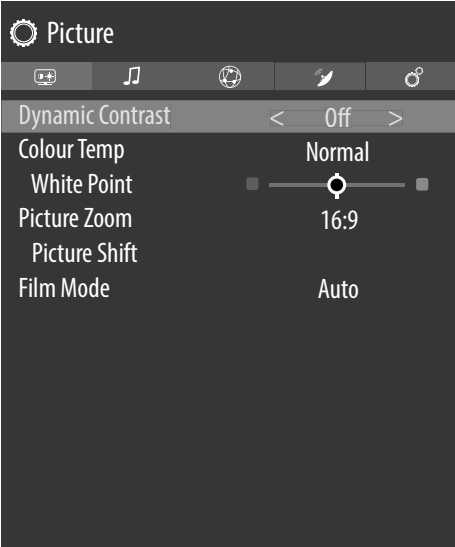
Menu option	Settings
MODE	Select screen mode: NATURAL, CINEMA, SPORTS, DYNAMIC As soon as the PICTURE menu is selected using the ◀ ▶ buttons, this menu appears above and can be selected directly.
CONTRAST	Increase or reduce contrast (on a scale of 0 to 100)
BRIGHTNESS	Increase or reduce brightness (on a scale of 0 to 100)
SHARPNESS	Increase or reduce sharpness (on a scale of 0 to 100)
COLOUR	Increase or reduce colour saturation (on a scale of 0 to 100)
ENERGY SAVING	This is where you can activate the energy-saving mode. Select OFF, MINIMUM, MEDIUM, MAXIMUM, SCREEN OFF, AUTO or CUSTOM to set the brightness of the TV set or switch off the screen.  In DYNAMIC screen mode, the MAXIMUM setting cannot be selected. As soon as the PICTURE menu is selected using the ◀ ▶ buttons, this menu appears above and can be selected directly.
BACKLIGHT	If under ENERGY SAVING you have selected CUSTOM , you can set your preferred brightness level for the energy-saving mode (on a scale of 0 to 100).

Menu option	Settings	
ADVANCED SETTINGS		
	DYNAMIC CONTRAST	Set dynamic contrast: OFF, LOW, MEDIUM, HIGH.
	NOISE REDUCTION	This function reduces picture noise and improves picture quality when the analogue signal is weak. Select between OFF, LOW, MEDIUM and HIGH.
	COLOUR TEMP	Select colour tone: NORMAL, WARM, COOL, CUSTOM.
	WHITE POINT	If under COLOUR TEMP you have selected CUSTOM , you can set the colour temperature to any value between warm and cold.
	PICTURE ZOOM	This is where you can set the picture format. As soon as the PICTURE menu is selected using the ◀ ▶ buttons, this menu appears above and can be selected directly.
	PICTURE SHIFT	With some screen formats, the screen can be shifted using the ▲ ▼ buttons.
	FILM MODE	To play back films taken on a video camera without judder, switch the film mode to AUTO.
	SKIN TONE	Set skin tone
	COLOUR SHIFT	Set colour shift
HDMI FULL RANGE	HDMI FULL RANGE (optional): This function in the screen settings menu is available as soon as the picture signal is received via an HDMI input. You can use this feature to boost the black of the images. You can set this function to ON to activate this mode.	
DOLBY VISION NOTIFICATION	If the option is activated (ON), the Dolby Vision logo is displayed briefly, as soon as you view contents with Dolby Vision. If this option is disabled (OFF), the Dolby Vision logo is not displayed.	
RESET	Press OK to reset all screen settings to the factory defaults.	

9.4.2. Screen menu when using VGA/PC as the source



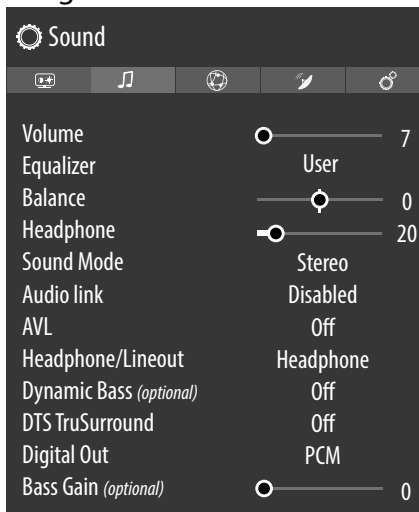
Menu option	Settings
CONTRAST	Increase or reduce contrast (on a scale of 0 to 100)
BRIGHTNESS	Increase or reduce brightness (on a scale of 0 to 100)
SHARPNESS	Increase or reduce sharpness (on a scale of 0 to 100).
COLOUR	Increase or reduce colour saturation (on a scale of 0 to 100)
ENERGY SAVING	<p>This is where you can activate the energy-saving mode. Select OFF, MINIMUM, MEDIUM, SCREEN OFF, AUTO or CUSTOM, to set the brightness of the TV set or switch off the screen.</p> <p>As soon as the PICTURE menu is selected using the ◀ ▶ buttons, this menu appears above and can be selected directly.</p>
BACKLIGHT	If under ENERGY SAVING you have selected CUSTOM , you can set your preferred brightness level for the energy-saving mode (on a scale of 0 to 100).

Menu option	Settings	
ADVANCED SETTINGS		
	DYNAMIC CONTRAST	Set dynamic contrast: OFF, LOW, MEDIUM, HIGH.
	COLOUR TEMP	Select colour tone: NORMAL, WARM, COLD, CUSTOM
	WHITE POINT	If under COLOUR TEMP you have selected CUSTOM , you can set the colour temperature to any value between warm and cold.
	PICTURE ZOOM	This is where you can set the picture format. As soon as the PICTURE menu is selected using the ◀ ▶ buttons, this menu appears above and can be selected directly.
	PICTURE SHIFT	With some screen formats, the screen can be shifted using the ▲ ▼ buttons.
	FILM MODE	To play back films taken on a video camera without judder, switch the film mode to AUTO .
DOLBY VISION NOTIFICATION	If the option is activated (ON), the Dolby Vision logo is displayed briefly, as soon as you view contents with Dolby Vision. If this option is disabled (OFF), the Dolby Vision logo is not displayed.	
PC POSITION	AUTOPOSITION	If you want to move the image, select AUTO POSITION and press OK to move it back to the centre. This should be done in the full image mode to ensure the settings match.
	H POSITION	Here, you can use ◀ ▶ to change the horizontal position of the image.
	V POSITION	Here, you can use ◀ ▶ to change the vertical position of the image.



Menu option		Settings
	DOT CLOCK	With this setting the picture signal is synchronised to match with the monitor's pixel rate. This corrects errors that can appear as vertical stripes in pixel-dense images (such as tables or text in small fonts). Set the frame rate using ◀ ▶ .
	PHASE	If the PC picture is not clear, you can use ◀ ▶ to adjust the picture signal to correspond to the pixels of the Smart TV. This will result in a clear image with a consistent, sharp display.
RESET	Press OK to reset all screen settings to the factory defaults.	

9.4.3. Sound menu

As soon as the **SOUND** menu is selected using the ◀ ▶ buttons, the **SPEAKERS** and **EQUALIZER** sub-menus appear above for quicker navigation and can be selected directly.



Menu option		Settings
VOLUME	This is where you can set the desired volume for narrator mode (on a scale of 0 to 100). Select a moderate volume. When in normal use, this can be changed using the V-/+ volume buttons on the remote control.	
EQUALIZER	In the equaliser submenu, the preset can be set to MUSIC, MOVIE, SPEECH, FLAT, CLASSICK and USER . The settings in the equaliser menu can only be changed if the equaliser mode is set to USER . As soon as the SOUND menu is selected using the ◀ ▶ buttons, this menu appears above and can be selected directly.	
BALANCE	Set the balance between the left and right speakers (on a scale of -50 to +50).	

HEADPHONE	Set the headphone volume here. This can only be changed if HEADPHONE/LINEOUT is set to HEADPHONE .	
		<p>WARNING! Risk of hearing damage!</p> <p>To prevent possible damage to your hearing, avoid listening at high volume over long periods of time.</p> <ul style="list-style-type: none"> ▶ Before pressing play, set the volume to the lowest setting. ▶ Start playback and increase the volume to a comfortable level.
SOUND MODE	Standard setting STEREO . If the current programme supports DUAL mode (e.g. dual-language broadcasts), you can also choose here between DUAL-I and DUAL-II (original language and dubbed language).	
AUDIO LINK	Here you can enable or disable the Bluetooth function of the device. With Audio Link enabled, it is possible to pair the TV set wirelessly with Bluetooth speakers (e.g. a soundbar). Select AUDIO LINK and press the OK button.	
	DEVICE	<p>Select the ENABLED setting if you want to connect the device to an external speaker via Bluetooth. Then press the OK button to search for available Bluetooth connections. All found connections are then displayed. Use ▲ ▼ to select the desired device and press OK to pair the speaker or speaker system with the TV set.</p> <p> Due to the great variety of different Bluetooth devices, faultless functionality cannot be guaranteed. Please also read the operating instructions of the device that you wish to connect to the TV. The device to be connected must be in search mode.</p> <p>To disconnect the connection again, select the DISABLED setting.</p>
AVL	This function compensates for the different volume levels between different programmes. Set to OFF to return to the original volume settings. Set to ON to hear a constant volume.	
HEADPHONE/LINEOUT	Select the audio signal for the headphone connection. The HEADPHONE setting enables volume regulation for the signal. The LINEOUT setting means that the signal has a predefined volume that cannot be changed. If this setting is selected, an external amplifier can be connected to the device.	
DYNAMIC BASS (optional)	Set the bass amplification to ON or OFF .	
DTS TRUSURROUND	Activate/deactivate the surround sound effect.	
DIGITAL OUT	Set the audio type for the digital output here.	
	PCM	Standard format for the output of a stereo format
	COMPRESSED	For the output of a digital data stream, e.g. on an end stage with Dolby Digital decoder

BASS GAIN (optional)	Here you can increase or reduce (on a scale of 6 to -6) the bass component (sub woofer signal).
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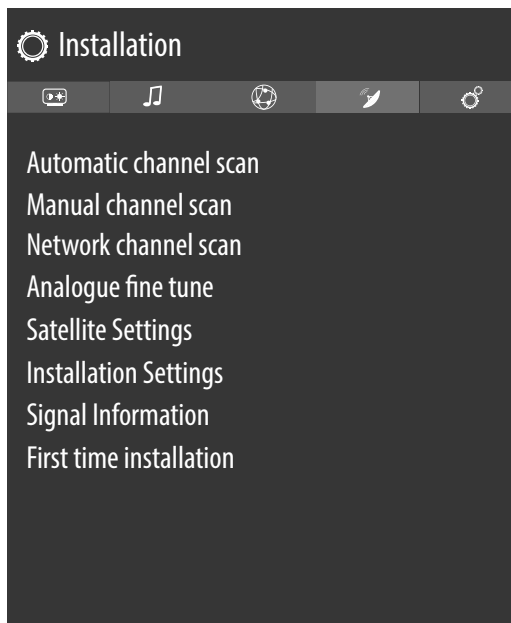
9.4.4. Network menu



Network settings		
NETWORK TYPE	Use ◀ ▶ to select the network type WIRELESS DEVICE , WIRED DEVICE or DISABLED .	
SCAN WIRELESS NETWORKS (optional WLAN)	Pressing the OK button displays an overview of all available networks. Make a selection using the ▲ ▼ buttons and press the OK button to confirm. If a password is required for a network, a virtual keyboard appears which you can use to enter this with the help of the direction buttons ◀ ▶ ▲ ▼ and the OK button. After entering the password, select OK on the keyboard and press the OK button to confirm.	
DISCONNECT	Disable network connection	
PRESS WPS ON YOUR WIFI ROUTER (only for WLAN)	This option enables you to quickly establish a WPS connection via a wireless network (WLAN). Press and hold the WPS button on your router and confirm with the OK button. Then the WPS connection is established.	
INTERNET SPEED TEST	Press the OK button to test the speed of the internet connection.	
ADVANCED SETTINGS	Press the OK button to call up further network configuration options.	
	IP CONFIGURATION	Select the AUTOMATIC or MANUAL setting here. If MANUAL is selected, three additional lines appear, where the IP ADDRESS , SUBNET MASK and DEFAULT GATEWAY data can be entered manually with the aid of the direction buttons ◀ ▶ and the number buttons.
	DNS CONFIGURATION	Choose between AUTOMATIC or MANUAL here. If MANUAL is selected, two additional lines appear, where the DNS SERVER 1 and DNS SERVER 2 data can be entered manually with the aid of the direction buttons ◀ ▶ and the number buttons.



Network settings	
WAKE ON	Activate/deactivate the Wake-On LAN/Wake-On Wireless LAN function (WoL/WoWLAN). This enables you to switch on the Smart TV via a different device (e.g. a smartphone with the MEDION® Life Remote app). Both devices must be connected to the same network via LAN or WLAN for this purpose. Select the ON setting to activate the function. The device being used as a remote control must be connected to the TV set once when it is switched on. The control function only works when the TV is in standby mode. If the TV is turned off and on again at the mains switch, the connection between the two devices is automatically restored.

9.4.5. Installation menu



Menu option	Setting
AUTOMATIC CHANNEL SCAN	<p>The automatic station search function helps you to search for and save new channels on your TV.</p> <p>A number of search options are available.</p> <p>Once you have selected the search option, press OK. Press YES to confirm the query and press OK to start the station search.</p> <p>Press HOME (MENU) to cancel the search prematurely. In this case, any found channels will not be saved.</p>

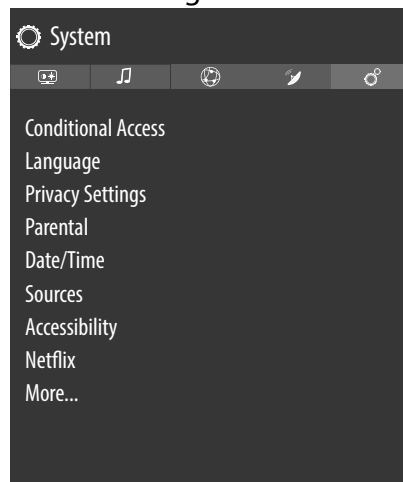
Menu option	Setting	
MANUAL CHANNEL SCAN	This function is used for the direct entry of station or satellite transponder data.	
	SEARCH TYPE	Set the desired reception type here.
	SATELLITE	
	FREQUENCY	The number buttons can be used to specify the frequency to be searched.
	POLARISATION	Select the polarisation level here.
	SYMBOL RATE	Set the baud rate.
	NETWORK CHANNEL SCAN	Activate/deactivate the network scan.
	SATELLITE	Select the satellite on which the search will be started.
	ANALOGUE	
	BAND	Select the desired frequency band S or C .
	TV SYSTEM	Set the desired TV system here (BG, I, DK). The sound system set for Germany is BG .
	CHANNEL	Select the channel number for which you want to carry out a search.
	FREQUENCY	Displays the frequency of the current station. The number buttons can be used to specify the frequency to be searched.
	D. AERIAL	
	CHANNEL	Select the channel number for which you want to carry out a search.
	FREQUENCY	Displays the frequency of the current station. The number buttons can be used to specify the frequency to be searched.
	NETWORK CHANNEL SCAN	Activate/deactivate the network scan
	D. CABLE	
	FREQUENCY	The number buttons can be used to specify the frequency to be searched.
	MODULATION	Set the modulation
	SYMBOL RATE	Set the baud rate
	NETWORK CHANNEL SCAN	Activate/deactivate the network scan




Menu option	Setting	
NETWORK CHANNEL SCAN	<p>Select between digital cable or DVB-T station groups. This searches for related channels of the currently selected station. The information sent in this respect depends on the selected channel and leads to different results.</p> <p> The existing channel list is replaced when the network search is started.</p>	
ANALOGUE FINE TUNE	Here you can fine-tune analogue channels.	
SATELLITE SETTINGS	SATELLITE LIST	<p>Display satellite list</p> <p>Use the ▲ ▼ buttons to select a satellite from the list. Press the OK button to call up the ADD, EDIT and DELETE options.</p>
	ANTENNA INSTALLATION	<p>In this section, you can change the antenna settings and search satellites for new channels. Select a satellite and press the OK button. Then the TRANSPONDER LIST, SCAN FOR SERVICES/LOAD PRESET LIST, SAVE AND EXIT and CONFIGURE LNB options appear for further editing.</p>
	SATELLITE CHANNEL TABLE	<p>This menu item allows you to export or import the existing satellite station list. Connect a removable storage medium (USB stick) to save the satellite station list onto it or update the list from the storage medium.</p>
INSTALLATION SETTINGS	Here you can make additional installation settings.	
	STANDBY SEARCH	<p>If the function is set to ON, the TV will search for available stations while it is in standby mode. When the device finds new or not yet available stations, a menu is displayed that you can use to accept or reject the changes</p>
DYNAMIC CHANNEL UPDATE	<p>If you select the ENABLED setting, the channel list is updated automatically.</p>	
SIGNAL INFORMATION	Displays further data about the received signal.	
FIRST TIME INSTALLATION	<p>This function correlates with the initial installation steps that occur after switching on for the first time.</p> <p> Carrying out the initial installation again will reset all settings back to the Factory defaults, including the PIN.</p>	


9.4.6. System menu



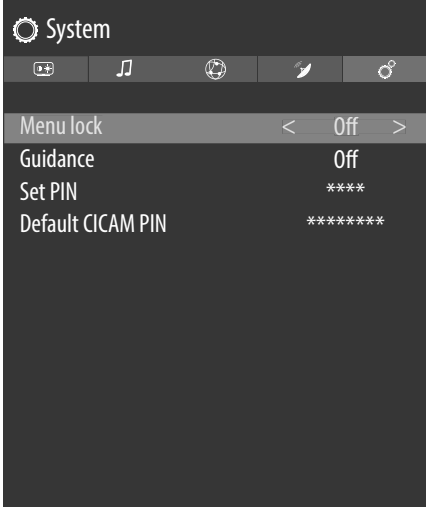

As soon as you select the **SYSTEM** menu using the ◀ ▶ buttons, the direct links for the **SLEEP TIMER**, **AUTO TV OFF**, **SUBTITLE** and **AUDIO LANGUAGE** appear above for faster processing. You can use the **SLEEP TIMER** to programme the device to switch off automatically. You can set the time in 30-minute increments (maximum 2 hours). As soon as the setting is made, the sleep timer countdown begins. Select **OFF** to deactivate this function.







Menu option	Settings
<p>CONDITIONAL ACCESS</p>	<p>If you want to watch subscription channels, you must first register with the channel provider. Once you have registered, you will receive a Conditional Access Module (CI module) and a special card from your provider. You will find information about the settings in the documentation supplied with the module. Install the CI components on your television in the following way:</p> <ul style="list-style-type: none"> ▶ Switch the television off and pull out the mains plug. ▶ First insert the CI module in the slot on the side of the Smart TV. Then insert the card. <p> Please note: only insert or remove the CI module after you have disconnected the device from the power supply.</p> <p> NOTICE! Risk of damage! The CI module or the television could be damaged if you attempt to insert the CI module by force.</p> <ul style="list-style-type: none"> ▶ The CI module must be inserted correctly: it cannot be inserted if it is the wrong way round. ▶ Connect the television to the power supply, switch it on, and wait for a moment until the card is recognised. <p>Additional setup steps may be required for some CI modules, which you can complete in the CONDITIONAL ACCESS menu.</p> <p>If no module is inserted, the message NO COMMON INTERFACE MODULE DETECTED appears on the screen.</p> <p> The appearance and operation of the menu may vary depending on the module used.</p>


Menu option		Settings		
LANGUAGE		<p>All language settings are made and displayed in the SPRACHE menu.</p> 		
	MENU	<p>Here you can select the language for the OSD menu, in other words, for the on-screen displays. The language changes immediately. Do not set a language you do not understand.</p>		
	PREFERRED	<p>These settings will be used if available. Otherwise the current settings will be used.</p>		
		PRIMARY AUDIO LANGUAGE	<p>If a programme, e.g. a film, is broadcast in several languages, you can select the spoken language here (e.g. original language).</p>	
		SECONDARY AUDIO LANGUAGE	<p>Select your second preferred audio language here.</p>	
		PRIMARY SUBTITLE LANGUAGE	<p>If the programme includes subtitles for hearing impaired users, you can set the preferred language here.</p>	
		SECONDARY SUBTITLE LANGUAGE	<p>Select your second preferred subtitle language here.</p>	
		PRIMARY TELETEXT LANGUAGE	<p>Select your preferred teletext language here.</p>	
		SECONDARY TELETEXT LANGUAGE	<p>Select your second preferred teletext language here.</p>	
GUIDE	<p>If there are several languages available for the programme (guide), you can use this option to select your preferred language.</p>			




	CURRENT	AUDIO	Here you can set the audio language of the current programme, if more than one audio language is supported. As soon as the SYSTEM menu is selected using the ◀ ▶ buttons, this menu appears above and can be selected directly.
		SUBTITLE	Here you can set the subtitles for the current programme, if available. As soon as the SYSTEM menu is selected using the ◀ ▶ buttons, this menu appears above and can be selected directly.
PRIVACY SETTINGS	You can amend the privacy settings activated during the initial installation here:		
	HBBTV	Activate/deactivate HbbTV	
	PORTAL AND APPLICATIONS	Activate/deactivate access to portals and applications	
	RECOMMENDATION ENGINE	Activate/deactivate automatic recommendations	
	USE OF COOKIES	Accept/restrict the use of cookies	
	AUTOMATIC SOFTWARE UPDATES	Activate/deactivate automatic software updates	
	INTERNET CONNECTION	Activate/deactivate the Internet connection	




Menu option	Settings	
PARENTAL	<p>If you confirm this by pressing OK, a dialogue box opens. The password (or lock key) is requested. Upon delivery, the factory default password is set to 0000. If the password is entered correctly, the dialogue box for security settings opens.</p>	 <p>The screenshot shows the 'System' menu with the following options: Menu lock (Off), Guidance (Off), Set PIN (****), and Default CICAM PIN (*****).</p>
MENU LOCK	<p>The MENU LOCK setting activates or deactivates menu access. You can block access to the installation menu or disable the entire menu system.</p>	
GUIDANCE ON/OFF	<p>If the child lock is activated, the TV can only be controlled using the remote control. In this case, the MODE multi-function switch is deactivated. When a button is pressed, the message GUIDANCE ON appears on the screen while the menu remains hidden.</p>	
SET PIN	<p>Sets a new four-digit PIN. Use the number buttons to add a new PIN. You must enter the new PIN again to confirm.</p> <p> Make a note of the new PIN. Otherwise the device must be reset to the factory defaults and all settings and channel listings will be lost.</p>	
DEFAULT CICAM PIN (optional)	<p>Here, you can enter the PIN of the CI card to record the channels of the pay TV card you are using (if the provider supports this).</p>	

Menu option	Settings	
DATE/TIME	You can change the time settings here.	
	DATE/TIME: Display the set date and time. The entries cannot be changed.	
	TIME SETTINGS MODE: If you change the entry from AUTO to MANUAL you can adjust the selected time zone forwards or backwards in hour or half-hour steps. If AUTO is set, the current local GMT time is adopted.	
	GMT: Only active if the previous point has been set to MANUAL . Select the value using ◀ ▶. The current time is changed accordingly.	
		The timer settings only work properly if the correct time is set.
SOURCES	<p>In this menu, you can activate and deactivate sources. However, individual sources cannot be selected here. Select a source using the ▲ ▼ buttons and press OK. A menu then opens featuring the options ENABLED, DISABLED and EDIT NAME. For HDMI, the options REGULAR, ENHANCED and DISABLED appear. Deactivated sources do not appear in the shortlist, which is opened using the  (SOURCE) button or in the SOURCES menu.</p> <p>HDMI connections can be activated (indicated by REGULAR) and deactivated. With ENHANCED, the selected connection is operated with HDMI 2.0 and the displayed colour range is increased if supported by the connected device. This fourfold increase in the dynamic range makes the darkest areas of the picture even darker and the brightest areas even brighter. It creates a more realistic impression and makes details visible that were previously unrecognisable with a smaller brightness range.</p>	
		<p>Select the ENHANCED setting for HDMI inputs if contents are to be played back with HDR.</p> <p>If EDIT NAME is selected, a virtual keyboard is displayed. This can be used with the help of the direction buttons ◀ ▶ ▲ ▼ to amend the name of the relevant source. If the CEC function is activated, the HDMI inputs are, if necessary, re-named through the connected device.</p>
ACCESSIBILITY	Here you can adjust the settings for visually or hearing impaired users, in order to be able to receive additional supporting signals.	
	HARD OF HEARING	If the station broadcasts special audio signals for hearing impaired users, you can change the setting to ON to receive these signals. The relevant information must be provided by the respective station.
	AUDIO DESCRIPTION	If the station broadcasts special audio signals for visually impaired users, you can change the setting to ON to receive these signals. In the submenu, select the AVAILABLE LANGUAGES , the PREFERRED LANGUAGE and the RELATIVE VOLUME . The RELATIVE VOLUME describes the volume balance between normal audio signals and the special audio signals for visually impaired users.

Menu option	Settings	
NETFLIX	<p>Calling up the Netflix app enables numerous films and series to be streamed directly over the Internet. This is a premium service and you must register when using the service for the first time.</p> <p> NETFLIX is a subscription service that enables its members to stream films and series ('NETFLIX contents') using Internet-enabled televisions, computers and other devices ('NETFLIX supported devices'). The NETFLIX service is provided to you by Netflix International B.V., a limited liability company in the Netherlands.</p>	
	ESN NUMBER	Press the OK button to display the Netflix ESN number.
	DEACTIVATE	Press the OK button to deactivate Netflix. The device will then be logged out and access will be released again.
	Press the NETFLIX button on the remote control to open Netflix.	

Menu option	Settings		
MORE...			
	MENU TIME OUT	Here you can set the time after which the OSD menu closes automatically.	
	STANDBY LED	Enable/disable the standby LED.	
	SOFTWARE UP- GRADE	You can search for the latest software for the television here and update it.	
		AUTOMATIC SCANNING	Activate/deactivate the automatic search function
		EDIT UP- GRADE FOR SATELLITE	You can change the satellite upgrade settings here.
		SCAN FOR UPGRADE	Start the Internet search for updated software.
	The update takes approx. 30 minutes. Do not interrupt this process. The search progress is displayed.		
	APPLICATION VERSION	Version display. This item is for information purposes only and cannot be changed.	
	AUTO TV OFF	<p>You can set the time interval for the auto shutdown function here. If the TV is not operated within this period, it switches itself off.</p> <p>As soon as the SYSTEM menu is selected using the ◀ ▶ buttons, this menu appears above and can be selected directly.</p>	
BISS KEY	Manual activation of channels. Setting only available for satellite channels.		

Menu option	Settings
AUDIO VIDEO SHARING	<p>Switch audio-video sharing on/off. This function allows data exchange with other multimedia devices such as PCs, smartphones, cameras, etc. See section "Using the video audio sharing network service" on page 61.</p> <p> If you disable the AUDIO VIDEO SHARING function, it will no longer be possible to display audio, video or photo files on the Smart TV. The DMR function (Digital Media Renderer) is then switched off.</p>
POWER UP MODE	<p>Select the power on mode STANDBY or LAST STATE. Pressing the power button turns the device on in standby mode or retrieves the most recently selected setting.</p>
VIRTUAL REMOTE	<p>Activate/deactivate the virtual remote control. This function must be activated if you wish to operate the TV remotely via a smartphone with the MEDION® Life Remote app (for more information see also page 62). (optional)</p>
CEC (Consumer Electronics Control)	<p>Enable this function to enable all devices that are connected via HDMI to communicate with each other. In this way, you can, for example, control the basic functions of all devices in an HDMI network using only one remote control. Activate this function if you want to make additional settings under SPEAKERS.</p> <p>First select the CEC function and select HDMI2 as the source. If you have already connected a CEC-enabled device, the name of the device is listed instead HDMI2. The basic functions of the device can then be automatically controlled using the remote control of the Smart TV.</p> <p> If the CEC function is activated an HDMI2 has been selected as the source (CEC-enabled device connected), the OSD menu of the Smart TV may no longer be called up using the  (MENU) button. In this case, press and hold 0. The remote control then controls the TV again. Pressing and holding again then enables the control of the device connected by HDMI.</p>
CEC AUTO POWER ON	<p>This function allows you to turn on the TV with the connected HDMI-CEC-compatible device and automatically switch to the input source. Select ENABLED if you want to use this function.</p>

Menu option	Settings	
SPEAKERS (ARC)	<p>The default setting for the speakers is TV so that only the internal speakers are used to output the sound. This setting can only be changed if you have previously enabled the CEC function. If you have done so, it is possible to select the AMPLIFIER setting and integrate an external amplifier into a CEC network via the HDMI2 port. The internal speakers are muted in this case. The volume buttons on the remote control now control the device connected to the HDMI2 port (no OSD display of the volume bar).</p> <p> The ARC function works exclusively via the HDMI2 port.</p> <p> Due to the great variety of different devices, faultless functionality cannot be guaranteed.</p>	
SMART REMOTE	<p>You can enable or disable the Smart Remote function here. Enable the Smart Remote function if you want to establish a Bluetooth connection with a Bluetooth remote control. Select SMART REMOTE and press the OK button.</p>	
	MODE	<p>Select the ENABLED setting if you want to connect the device to a Bluetooth remote control. Then press the OK button to search for available Bluetooth connections. All found connections are then displayed. Use ▲ ▼ to select the desired device and press OK to pair the Bluetooth remote control with the TV.</p> <p> Due to the great variety of different devices, faultless functionality cannot be guaranteed.</p> <p>To disconnect the connection again, select the DISABLED setting.</p>
SHOW ALL COOKIES	<p>You can retrieve a list of all cookies here. To delete a cookie, select it using the ▲ ▼ direction buttons and press OK.</p>	
DELETE ALL COOKIES	<p>All cookies listed can be deleted here.</p>	
OSS	<p>Displays the licence information for open source software.</p>	

9.5. TV menu

As in the **HOME** menu, the **GUIDE** and **CHANNELS** menus are available here. For more detailed explanations for both options, see section "Home menu".

9.5.1. Timer menu

Shift Timer

If a shift timer has been programmed via the EPG, the relevant programme is displayed in the **TIMERS** menu. The timer then switches to the set programme, however it is not possible to output the signal (e.g. to be recorded by an external recorder). A shift timer can only be programmed via the EPG. For more information, please see section "Programme guide (EPG – Electronic Programme Guide)" on page 35.


Recording Timer


A recording timer can be programmed via the EPG or the **ADD TIMER** option.

The displayed shift and recording timer can now be selected and subsequently edited using **EDIT SELECTED TIMER** or deleted using **DELETE SELECTED TIMER**.

Channel Type	< All >
Timer Type	Timer
Channel	2 - arte
Record Type	Time
Date	17/09/2018
Start	11:00
End	12:00
Duration	60 min
Repeat	Once
Change/Delete	Allowed
Playback	Use parental settings

The following options are available if you want to edit or add a timer:

Menu option	Settings
CHANNEL TYPE	Set the reception type (DVB-T/DVB-T2, DVB-C, DVB-S or analogue). Only reception types set up during the installation are displayed here.
TIMER TYPE	<p>The RECORD option is preset here and cannot be changed. You can programme the start and end of a programme that you wish to record using the following options. Plug in a hard drive or USB stick to the USB port to do this. The relevant programme will then be recorded to the hard drive or USB stick.</p> <p> If the USB stick is not working correctly and an error message is displayed (e.g. not enough space available, although the stick is empty), it can also be formatted by the Smart TV under menu option TV > RECORDINGS > SETTINGS > FORMAT DISK.</p>
CHANNEL	Select the channel.
RECORD TYPE	This is preset and cannot be changed.
DATE	Enter the date. Use the number buttons to change the digits in the square brackets.
START	Enter the start time.
END	Enter the end time.

DURATION	The duration is determined automatically.
REPEAT	Select the interval at which the timer is to be repeated (ONCE, DAILY, WEEKLY or WEEKDAYS).
CHANGE/DELETE	If DISALLOWED is selected, a lock symbol appears. In this case, you can only open the entry with the PIN.
PLAYBACK	Setting options: USE PARENTAL SETTINGS, ALLOWED, DISALLOWED
	It is not possible to add a shift timer manually.

9.5.2. Recording menu

All created recordings are listed in the **RECORDINGS** menu. This menu contains the following options:

PLAY OP- TIONS	OPTIONS	
	PLAY FROM START	Playback of the selected recordings starts from the beginning.
	RESUME	If you have paused the selected recording before it is played back, it continues from this point.
	PLAY FROM OFFSET	This option enables you to specify the exact point at which playback of the selected recording is to start.
EDIT	Information regarding the currently selected recording is available here. Under RECORDING , you can change the name of the selected recording using a virtual keyboard. In addition, you can specify under DELETE , whether the recording may be deleted or not (ALLOWED or DISALLOWED). Under PLAYBACK , activate the child lock so that the recording concerned can only be started once the PIN has been input (DISALLOWED). The factory default PIN is 0000 . This option can be used to make changes retrospectively via RESET and you can save your amendments with SAVE .	
DELETE	This option can be used to delete existing recordings. To do this, answer the prompt with YES .	
SORT	This option can be used to sort the list of recordings according to various criteria.	

SETTINGS	<p>START EARLY: This is where you can specify that the recording is to start before the set start time.</p> <p>END LATE: This is where you can specify that the recording is to end after the set end time.</p> <p>MAX TIMESHIFT: This is where you can set the max. timeshift. The timeshift function enables you to pause playback during the recording with II or fast forward or rewind using ◀ and ▶. The recording runs unimpaired in the background. The maximum timeshift can be set here.</p> <p>AUTO DISCARD: The automatic deletion of recordings can be set using this option. The following options are available here:</p> <ul style="list-style-type: none"> – DISCARD: Keine / Älteste / Längste / Kürzeste – UNPLAY: Eingeschlossen / Nicht eingeschlossen. An exception is only possible if oldest, longest or shortest is selected under DISCARD. <p>HARD DISK INFORMATION: To display information regarding the USB hard drive, check this option and press the OK button. Hard drive information includes, for example, the volume of remaining available storage space.</p> <p>FORMAT DISK: Select the FORMAT DISK menu. You must now enter the device PIN here. The factory default PIN is 0000. The notice THIS WILL REMOVE ALL RECORDINGS appears. Select YES if you want to start the formatting or NO to cancel the process. Confirm with OK.</p>
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Recording via media buttons

You can operate the recording and playback using the **media buttons**.

●	Press this button to start recording the current programme.
▶	From the recording list, you can start playback of the selected recording using this button.
II	Pause and restart playback with this button.
■	Stop the recording and playback with this button.
◀◀	During playback, activate fast rewind at various speeds with this button: x2, x4, x8, x16, x32 Press the ▶ button to return to normal playback.
▶▶	During playback, activate fast forward at various speeds with this button: x2, x4, x8, x16, x32 Press the ▶ button to return to normal playback.

Timeshift Recording

You can start a timeshift recording in TV mode to view the current channel after a delay. To do so, proceed as follows:

II	Press this button during the current programme. The programme stops there and the timeshift recording runs in the background. Press this button again to start the timeshift playback. The channel now runs again with the delay.
▶	If you have previously started the timeshift recording using the II button, you can also start the timeshift playback with this button.
■	Stop the timeshift playback with this button. The channel is then played back normally and not with a time delay.

9.6. Media browser menu

If you connect a USB data medium to the Smart TV, you can play music files, images and videos.

Information about using USB

- ▶ Certain types of USB devices (MP3 player) may not be compatible with this Smart TV.
- ▶ Connect the USB device directly.
- ▶ Do not use a separate cable, because this may cause compatibility problems.
- ▶ Never remove the USB device while a file is being played.



NOTICE!

Risk of damage!


Connecting and disconnecting USB devices quickly and repeatedly is dangerous and can physically damage the USB device and the Smart TV itself.

- ▶ Do not insert and then remove the USB device repeatedly in quick succession.

As soon as a USB storage medium is connected, the device opens the media browser automatically. As soon as the USB storage medium is removed, the note **USB DEVICE (0) DISCONNECTED** appears and the device automatically switches back to normal TV mode again.



If several USB drives are connected, a drive query appears after the media type is selected. Select the desired USB storage medium here.

With connected USB storage, if you exit the media browser using the **EXIT** button, you can call it up again at any time through the source selection (using  (**SOURCE**) or in the **SOURCES** menu). The name of the USB storage is now displayed here. Select this as the source. If the USB storage medium is removed, this option disappears again.

All files and playable data are shown in the media browser. Navigate in the media browser using the ◀ ▶ ▲ ▼ direction buttons. Open media files using the **OK** button.

The following options are available:

9.6.1. VIDEOS

- ▶ **II (PLAY/PAUSE)**: Start/pause playback
- ◀▶: Fast forward/rewind
- < > : Previous video/next video

9.6.2. MUSIC

- ▶ **II (PLAY/PAUSE)**: Start/pause playback
- < > : Previous/next track

9.6.3. PHOTOS

- ▶ **II (PLAY/PAUSE)**: Start/pause playback
- < > : Previous/next photo
- 🔍: Zoom
- ⌚: Rotate photo to the right (in 90° steps)
- ⌚: Rotate photo to the left (in 90° steps)



Alternatively, you can use the corresponding media buttons to operate the media browser.

9.6.4. Loop function

For media playback, you can activate an additional loop function, which either continuously repeats the current media file (marked with a full stop) or repeats all files (no marking).

9.6.5. Random playback

An additional random playback function plays all video, photo and music files on your USB storage in random order.

9.6.6. Settings

PICTURE/SOUND SETTINGS:

You can make changes to the screen settings (only for photo and video files) and audio settings for playing back media. You can also make equivalent settings in TV mode.

MEDIA BROWSER SETTINGS:

The following options are intended for the media browser settings (only for video and photo files):

SLIDESHOW INTERVAL	Select the display time for images in the slide show (5 to 30 seconds).
SHOW SUBTITLE	Activate/deactivate subtitle function.
SUBTITLE LANGUAGE	Select the subtitle language.
SUBTITLE POSITION	Select the subtitle position.
SUBTITLE FONT SIZE	Select the font size for the subtitles.

OPTIONS:


When playing back videos, you can still make further adjustments:

SUBTITLE/AUDIO	Activate additional audio voiceover here.
SUBTITLE TIME CORRECTION	Specify a time delay for the subtitle functionality here.
JUMP TO SECOND	Specify a position in the current video that you want to skip to.

- ▶ Press the **INFO** button during playback to display the video progress bar.
- ▶ Press the **BACK** button to return to the media browser.
- ▶ To exit the media browser, press the **EXIT** button.

9.6.7. Using an audio video sharing network service

The audio video sharing network service allows a data exchange between devices if they support the audio video sharing function.

- ▶ Press the  (**SOURCE**) button.
- ▶ Select **AUDIO VIDEO SHARING** and confirm with **OK**. A list of available DLNA media is then displayed.
- ▶ Select the desired media server or network and confirm the selection with **OK**. All available folders and media files are then displayed.

10. HbbTV system

HbbTV (Hybrid Broadcast Broadband TV) enables a combination of broadcasting and Internet content that can usually be accessed and displayed by pressing the red button on the remote control. HbbTV services include conventional radio/TV stations, catch-up TV, video on demand, EPG, interactive advertising, customisation options, polls, games, social networks and other multimedia applications.

HbbTV applications can only be called up if the broadcasting station transmits these signals and the TV is connected to the internet. The scope and operation vary depending on the channel and station.

Whether a station offers HbbTV applications or not, is shown via a brief on-screen display. The exact form and position depends on the individual application. Use the red button to open and close the application pages. Navigation within the applications is carried out by using the colour buttons on the remote control, but this can vary depending on the channel and the programme. Observe the messages within the applications.

11. MEDION® Life Remote app

The MEDION® Life Remote app is the innovative way to operate your MEDION® television from your smartphone via your home network.

The MEDION® Life Remote application makes use of the features of your mobile phone – such as touch screen capability and motion sensor – to provide easy-to-use, convenient and improved options for operating your MEDION® Smart TV. What's more, you also have the option of operating your television via the touch pad and directly entering text when calling up Internet pages.



Please note that the television to be controlled must be in the same network as the smartphone. Please note that in rare cases the app may be incompatible, depending on the smartphone operating system.

Apple QR code



Android QR code



Scan the QR code to install the app directly onto your smartphone or tablet.



The TV is identified within the app using an IP address. To set up the app, you may then need to search for the IP address of your TV.

Die MEDION® Life Remote app provides you with the functions of a remote control. By swiping up, down, left and right, you can navigate to the five operating interfaces with the following functions:



Please note that certain buttons, depending on the model, may not be functional.

OK	Confirm selection in certain menus; in TV mode: call up the list of TV stations
Direction buttons ▲ ▼	Navigate through various menus; station selection in TV mode. Confirm with OK to call up the selected TV station.
Direction buttons ◀ ▶	Navigate through various menus
BACK	Move back one step in the menu
MENU	Open and close menu
EXIT	Exit the menu
Red button	Various functions depending on the menu; TV mode: Call up station-specific programme information
Green button	Various functions depending on the menu TV mode: after pressing the red button, call up EPG
Yellow button	Various functions depending on the menu; TV mode: after pressing the red button, call up media library
Blue button	Various functions depending on the menu; TV mode: after pressing the red button, call up Teletext
	Internet button
Number buttons	TV: Channel selection, teletext: Page selection
(SWAP)	Set previous TV channel
(TIMER)	Activate/deactivate delay timer
	Switch Smart TV on/off (switch standby mode on/off)
SCREEN	Select the screen format
SUBT.	Subtitles on/off (if available)
LANG.	Analogue TV: stereo/mono; Digital TV: Select audio language/subtitle language (if available)
TEXT	Activate teletext Press 2 x = set transparent Press 3 x = close
SOURCE	Select input signal of connected devices
(MEDIA)	Call up the media browser
EPG	Digital TV: call up the electronic programme guide
Q. MENU	Access the quick menu (OPTION MENU) to quickly edit basic options
FAV	Call up favourites list
P-/+	Channel selection buttons TV: select next (+) / previous (-) channel; teletext: select next (+) / previous (-) page
	Increase (+) or decrease (-) volume.
	Mute

INFO	Digital TV: Display information (e.g. current channel number); display information in many applications (e.g. multimedia)
Media buttons	<ul style="list-style-type: none"> ◀◀: Fast rewind; ▶▶: Fast forward; ●: Recording function (if available on the device used); ■: Stop playback; ▶: Start playback; ⏸: Pause playback
🔊	Increase (+) or reduce (-) volume for media playback
TV	This button exits the user interface of the app and returns back to select the TV to be controlled. The app is then unpaired from the TV. This option is available on each of the five user interfaces.

Furthermore, extensive keyboard and language control options and touchpad controls are available.

12. Data protection MEDION® Smart TV

Your Internet-capable TV has an Internet service function (HbbTV, portal and open browsing). These functions enable you to access services, content, software and products provided by third parties on the Internet. In addition, you have access to open Internet content. Your device checks automatically via this route whether new software versions are available for your device. When doing so, your device sends out the IP address, the software version and the MAC address of the device to ensure software updates run correctly.

This data is required to make use of the software update service. Access to applications in the portal or via HbbTV may, depending on the provider, require a registration, setting up a user account and/or a subscription when using certain services. Registration may require the provision of your personal data and the selection of a unique and secret password. Please check the privacy policy of the provider beforehand.



MEDION® shall not be liable if the HbbTV, the portal or a service does not comply with the user's requirements, nor does it guarantee that safe and error-free use of such services can always occur without restrictions, or continuously, at the required time.

MEDION® shall not be liable for the information or content provided via HbbTV, the portal or the open Internet, nor for its use and reliability. When you purchase your Smart TV, special warranties are provided. The validity of these warranties, including the related disclaimers, remains in force.

If you have any further questions on the subject of data protection when using your Smart TV, please contact the respective provider of the Internet service functions or contact MEDION® directly on www.medion.com under the heading Data Protection.

13. Troubleshooting

Malfunctions can sometimes have quite trivial causes, but they may also be the result of defective components. We have included a brief troubleshooting guide below which may help to solve any problems. If these measures don't solve the problem, we'll be more than pleased to help you further. Just call us!

Fault	Actions
There is no picture and no sound.	<ul style="list-style-type: none"> • Check if the power cable is inserted in the socket properly. • Check if the signal reception is set to TV. • Check whether the mains switch on the bottom of the device is turned on. • Connect the device to another power outlet.
There is no AV picture.	<ul style="list-style-type: none"> • Check to ensure that the contrast and brightness settings are correct. • Check to ensure that all external devices have been connected properly. • Check to ensure that you have selected the correct AV source. • A signal source that you wish to select with MODE or  (SOURCE), must be activated in the SOURCES > SOURCE SETTINGS menu. • Start playback on the connected device, if necessary.
There is no sound.	<ul style="list-style-type: none"> • Ensure that the volume has not been set to the minimum level. • Ensure the mute setting is not active. Press the  button on the remote control. • Check whether audio playback via the TV speakers has been disabled under the SOUND menu.
There is no picture and no sound. I can hear noise, though.	<ul style="list-style-type: none"> • The reception might be poor. Check if the antenna is connected properly.
The picture is not clear.	<ul style="list-style-type: none"> • The reception might be poor. • Check if the antenna is connected properly.
The picture is too bright or too dark.	<ul style="list-style-type: none"> • Check the contrast and brightness settings.
The picture is not sharp.	<ul style="list-style-type: none"> • The reception might be poor. • Check if the antenna is connected properly. • Check the sharpness and noise reduction settings in the PICTURE menu.
There is a double/triple picture.	<ul style="list-style-type: none"> • Check if the antenna is aligned properly. • Waves might be reflected off buildings or hills.
The picture is pixelated.	<ul style="list-style-type: none"> • There might be interference from cars, trains, power lines, neon lights, etc. • There might be interference between the antenna and power cables. Position the cables further apart.
There are stripes on the screen or the colours are faded.	<ul style="list-style-type: none"> • Is there interference from another device? • Transmission antennae on radio stations, ham radios and portable phones can also cause interference. • Operate the device as far away as possible from the device that might be causing the interference.
The MODE multi-function switch on the device does not work	<ul style="list-style-type: none"> • The child lock might be on.

Fault	Actions
TV switches off	<ul style="list-style-type: none"> • Check whether the automatic switch-off function is activated under MORE... (see page 54).
No reception/poor signal via a wireless network connection (WLAN).	<ul style="list-style-type: none"> • Make sure that all required settings have been made. • It may be too far from the router. In this case, the use of a repeater may be sensible.
WIRELESS DISPLAY connection cannot be established.	<ul style="list-style-type: none"> • Make sure that all required settings have been made. Please see section WIRELESS DISPLAY on page 28. • The devices may not be compatible (only Android devices with certain software requirements are compatible).
The remote control is not working.	<ul style="list-style-type: none"> • Check if the batteries are fully functioning and have been inserted the right way round. • Ensure the sensor field is not exposed to strong light. • Turn the device off and on again using the mains switch on the bottom of the device.
The menu cannot be opened.	<ul style="list-style-type: none"> • Check whether CEC is enabled. In this case, the menu cannot be opened. This is not a defect. In some cases, the menu of the device connected via HDMI2 opens. This is dependent on the playback device and must be supported accordingly. Further information is available on page 55. • Change the input source.
HDR contents are not played back.	<ul style="list-style-type: none"> • In the SOURCES menu select ENHANCED (see also page 52).
No Bluetooth® connection	<ul style="list-style-type: none"> • Ensure that all settings on the device are correct and that the Bluetooth function has been activated. • Check whether the device to be connected is switched on and is in search mode. • Ensure that all settings on the device to be connected are correct and that the Bluetooth function has been activated. If necessary, refer to the operating instructions for the device concerned.



In many cases, it is sensible to reset to the factory settings with subsequent reinstallation.

13.1. Do you need more help?

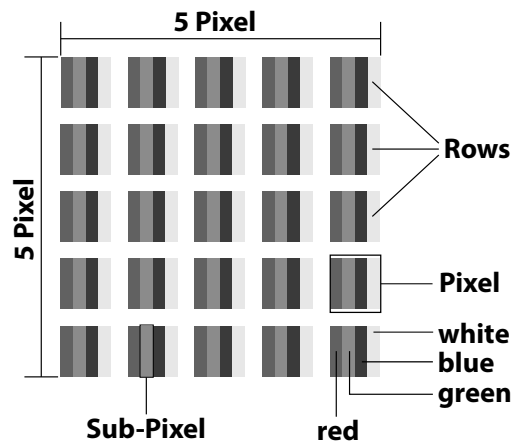
If the suggestions in the previous sections did not solve your problem, please contact us. To make it easier for us to help you, please have the following information to hand:

- What external devices are connected?
- What messages appear on the screen?
- When operating the device, at which step did the problem occur?
- If you have a PC connected to the device:
 - How is your computer configured?
 - What software were you using when the problem occurred?
- What steps have you already taken to try and rectify the problem?
- Please provide us with your customer number if you have one.

13.2. Smart TV pixel faults

Despite the state-of-the-art production methods, in rare cases there may be individual or multiple pixel drop-outs (dead pixels) due to the highly complex technology.

For active matrix TFTs with a resolution of **3840 x 2160 pixels**, which are each made up of four sub-pixels (red, green, blue, white), there are a total of **approx. 33.2 million** control elements in use. Occasionally pixels or individual sub-pixels can fail or become incorrectly controlled because of this very high number of transistors and the extremely complex manufacturing process used in this context.



Pixel fault class	Defect type 1 Continuously lit pixel	Defect type 2 Continuously black pixel	Defect type 3 Defective sub-pixel	
			lit	black
0	0	0	0	0
I	1	1	2 1 0	1 3 5
II	2	2	5 5-n* 0	0 2xn* 10
III	5	15	50 50-n* 0	0 2xn* 100
IV	50	150	500 500-n* 0	0 2xn* 1000

n*=1.5

The permitted number of defects for every type named above in each class of pixel defect refers to one million pixels and must be converted accordingly to match the physical resolution of the display.

Your device complies with the European ISO 9241-307 Class II standard (pixel fault class). Pixel defects up to the specified maximum number are not covered by the warranty.

14. Cleaning



WARNING!

Risk of electric shock!

There is a risk of death due to an electric shock when the housing is open and you touch parts inside the device!

- ▶ Do not open the device housing. It does not contain any parts for maintenance by the user. Always unplug the device and disconnect all cables before cleaning.

You can increase the lifespan of your Smart TV by taking the following measures:

- Protective film has been applied to the high-gloss finish to protect the television from scratches. Remove the film after you have set up the TV correctly.
- If the high-gloss finish becomes dirty, wipe off the dust first. Then wipe down gently with a cleaning cloth. If you do not wipe off the dust first, or wipe the high-gloss finish too vigorously you could scratch the high-gloss finish.
- Do not use solvents, corrosive or gaseous cleaning agents.
- Clean the screen with a soft, lint-free cloth.
- Take care to ensure that no water droplets remain on the Smart TV. Water can cause permanent discolouration.
- To avoid damage to the device, water must not penetrate into the interior of the device under any circumstances.
- Do not place the screen in strong sunlight or near ultraviolet light.
- Store the packaging material in a safe place. Only use this box to transport the Smart TV.

15. Storing the device when not in use

If you do not intend to use the TV over a longer period of time, store it in a cool, dry place and make sure that it is protected from dust and extreme temperature fluctuations. Remove all connections and take the batteries out of the remote control in advance.

16. Disposal



Packaging

Your device has been packaged to protect it from damage in transit. The packaging is made of materials that can be recycled in an environmentally friendly manner.



Device

The adjacent symbol of a crossed out whee bin means that the device is subject to Directive 2012/19/EU. Do not dispose of old devices in normal household waste. In accordance with Directive 2012/19/EU, the devices must be properly disposed of at the end of its service life. This involves separating the materials in the devices for the purpose of recycling and minimising the environmental impact. Take old devices to a collection point for electrical scrap or a recycling centre. Before doing so, remove the batteries from the device and take them to a separate collection point for used batteries. Contact your local waste disposal company or your local authority for more information on this subject.



Batteries

Proper disposal of used batteries protects the environment and your personal health. Do not dispose of used batteries with normal household rubbish. Batteries must be disposed of correctly. For this purpose, retailers that sell batteries and local collection points provide containers in which you can dispose of them. Contact your local waste disposal company or your local authority for more information.

In connection with the sale of batteries or the supply of devices containing batteries, we are obliged to draw your attention to the following:

As the end user, you are legally required to return used batteries. You can return used batteries that we stock or have stocked in our range as new batteries to our dispatch warehouse free of charge (shipping address).

17. Technical specifications

Smart-TV X15080 (MD 31380)		MEDION®
Device name	X15080 (MD 31380)	
Rated voltage	220–240 V ~ 50 Hz	
Rated voltage/current for satellite connection	13 V/18 V $\overline{=}$, 300 mA max.	
Screen size	125.7 cm (50") LCD; 16:9 display	
Power consumption	max. 135 Watt	
Power consumption in standby mode	< 0.50 W	
Power consumption when switched off	< 0.30 W	
Power consumption in networked standby mode (WAKE ON mode)	< 3.00 W	
Speaker output	2 x 10 Watt RMS, DTS HD-compatible	
Integrated subwoofer	1 x 12 W RMS	
Physical resolution	3840 x 2160	
TV system	Pal	
Channel positions	199 (ATV), 10,000 (DTV)	
Smart-TV X15581 (MD 31381)		MEDION®
Device name	X15581 (MD 31381)	
Rated voltage	220–240 V ~ 50 Hz	
Rated voltage/current for satellite connection	13 V/18 V $\overline{=}$, 300 mA max.	
Screen size	138.8 cm (55") LCD; 16:9 display	
Power consumption	max. 140 Watt	
Power consumption in standby mode	< 0.50 W	
Power consumption when switched off	< 0.30 W	
Power consumption in networked standby mode (WAKE ON mode)	< 3.00 W	
Speaker output	2 x 10 Watt RMS, DTS HD-compatible	
Integrated subwoofer	1 x 12 W RMS	
Physical resolution	3840 x 2160	
TV system	Pal	
Channel positions	199 (ATV), 10,000 (DTV)	
Smart-TV X16582 (MD 31382)		MEDION®
Device name	X16582 (MD 31382)	
Rated voltage	220–240 V ~ 50 Hz	
Rated voltage/current for satellite connection	13 V/18 V $\overline{=}$, 300 mA max.	
Screen size	163.9 cm (65") LCD; 16:9 display	
Power consumption	max. 200 Watt	
Power consumption in standby mode	< 0.50 W	
Power consumption when switched off	< 0.30 W	
Power consumption in networked standby mode (WAKE ON mode)	< 3.00 W	
Speaker output	2 x 12 Watt RMS, DTS HD-compatible	
Integrated subwoofer	1 x 12 W RMS	
Physical resolution	3840 x 2160	
TV system	Pal	
Channel positions	199 (ATV), 10,000 (DTV)	

Smart-TV X14020 (MD 31420)		MEDION®
Device name	X14020 (MD 31420)	
Rated voltage	220–240 V ~ 50 Hz	
Rated voltage/current for satellite connection	13 V/18 V $\overline{=}$, 300 mA max.	
Screen size	101.6 cm (40") LCD; 16:9 display	
Power consumption	max. 110 Watt	
Power consumption in standby mode	< 0.50 W	
Power consumption when switched off	< 0.30 W	
Power consumption in networked standby mode (WAKE ON mode)	< 3.00 W	
Speaker output	2 x 8 Watt RMS, DTS HD-compatible	
Physical resolution	3840 x 2160	
TV system	Pal	
Channel positions	199 (ATV), 10,000 (DTV)	
Smart-TV X14321 (MD 31421)		MEDION®
Device name	X14321 (MD 31421)	
Rated voltage	220–240 V ~ 50 Hz	
Rated voltage/current for satellite connection	13 V/18 V $\overline{=}$, 300 mA max.	
Screen size	108 cm (43") LCD; 16:9 display	
Power consumption	max. 120 Watt	
Power consumption in standby mode	< 0.50 W	
Power consumption when switched off	< 0.30 W	
Power consumption in networked standby mode (WAKE ON mode)	< 3.00 W	
Speaker output	2 x 8 Watt RMS, DTS HD-compatible	
Physical resolution	3840 x 2160	
TV system	Pal	
Channel positions	199 (ATV), 10,000 (DTV)	
Smart-TV X15022 (MD 31422)		MEDION®
Device name	X15022 (MD 31422)	
Rated voltage	220–240 V ~ 50 Hz	
Rated voltage/current for satellite connection	13 V/18 V $\overline{=}$, 300 mA max.	
Screen size	125.7 cm (50") LCD; 16:9 display	
Power consumption	max. 135 Watt	
Power consumption in standby mode	< 0.50 W	
Power consumption when switched off	< 0.30 W	
Power consumption in networked standby mode (WAKE ON mode)	< 3.00 W	
Speaker output	2 x 10 Watt RMS, DTS HD-compatible	
Integrated subwoofer	1 x 12 W RMS	
Physical resolution	3840 x 2160	
TV system	Pal	
Channel positions	199 (ATV), 10,000 (DTV)	

Smart-TV X15523 (MD 31423)		MEDION
Device name	X15523 (MD 31423)	
Rated voltage	220–240 V ~ 50 Hz	
Rated voltage/current for satellite connection	13 V/18 V $\overline{=}$, 300 mA max.	
Screen size	138.8 cm (55") LCD; 16:9 display	
Power consumption	max. 140 Watt	
Power consumption in standby mode	< 0.50 W	
Power consumption when switched off	< 0.30 W	
Power consumption in networked standby mode (WAKE ON mode)	< 3.00 W	
Speaker output	2 x 10 Watt RMS, DTS HD-compatible	
Integrated subwoofer	1 x 12 W RMS	
Physical resolution	3840 x 2160	
TV system	Pal	
Channel positions	199 (ATV), 10,000 (DTV)	

Smart-TV X16524 (MD 31424)		MEDION
Device name	X16524 (MD 31424)	
Rated voltage	220–240 V ~ 50 Hz	
Rated voltage/current for satellite connection	13 V/18 V $\overline{=}$, 300 mA max.	
Screen size	163.8 cm (65") LCD; 16:9 display	
Power consumption	max. 140 Watt	
Power consumption in standby mode	< 0.50 W	
Power consumption when switched off	< 0.30 W	
Power consumption in networked standby mode (WAKE ON mode)	< 3.00 W	
Speaker output	2 x 12 Watt RMS, DTS HD-compatible	
Integrated subwoofer	1 x 12 W RMS	
Physical resolution	3840 x 2160	
TV system	Pal	
Channel positions	199 (ATV), 10,000 (DTV)	

Channels	
	VHF (Band I/III)
	UHF (BAND U)
	HYPERBAND
	CABLE TV (S1-S20) / (S21-S41)
	HD DVB-T
	DVB-T2 HD (H.265)
	HD DVB-C
	DVB-S2

Connections	
	Antenna connection (analogue TV, DVB-T/DVB-T2 or DVB-C)
	Satellite connection (DVB-S/S2)
	2 x USB connection
	1 x LAN RJ-45
Video	
	3 x HDMI® 2.0 with HDCP 2.2 decoding
	1 x VGA (15 pin D-Sub, YUV/YPbPr)
	AV In (cinch)
Audio	
	Stereo audio in for AV, YUV, VGA (cinch)
	Headphone output (3.5 mm jack)
	Digital Audio Out (SPDIF, optical)

Drives/storage media	
Drives	USB, Common Interface (CI+) Slot
Supported formats via USB ²	Photo: JPG, JPEG, JPE, BMP, PNG
	Music: MP3, WMA, WAV
	Film: MPEG 1/2/4, MKV, MOV, MP4, DAT, VOB, H263, FLV, HEVC, Xvid
Capacities	USB max. 1 TB

Remote control	
Transmission type	Infrared
LED classification	1
Battery type	2 x 1.5V AAA R03/LR03

Ambient temperatures	
Permissible ambient temperature	+5°C to +35°C
Permissible relative humidity	20% – 85%

² The playback of all formats cannot be guaranteed due to the large number of different codecs.

Dimensions/weight X15080 (MD 31380)	
Dimensions without feet (W x H x D)	Approx. 1130 x 669 x 94 mm
Dimensions with feet (W x H x D)	Approx. 1130 x 726 x 275 mm
Weight without feet	Approx. 11.3 kg
Weight with feet	Approx. 11.6 kg
Mounting on the wall	Vesa standard, hole spacing 200 x 200 mm ³
Dimensions/weight X15581 (MD 31381)	
Dimensions without feet (W x H x D)	Approx. 1247 x 735 x 96 mm
Dimensions with feet (W x H x D)	Approx. 1247 x 787 x 275 mm
Weight without feet	Approx. 13.9 kg
Weight with feet	Approx. 14.3 kg
Mounting on the wall	Vesa standard, hole spacing 400 x 200 mm ³
Dimensions/weight X16582 (MD 31382)	
Dimensions without feet (W x H x D)	Approx. 1470 x 846 x 74 mm
Dimensions with feet (W x H x D)	Approx. 1470 x 900 x 345 mm
Weight without feet	Approx. 23.4 kg
Weight with feet	Approx. 24.0 kg
Mounting on the wall	Vesa standard, hole spacing 400 x 400 mm ³
Dimensions/weight X14020 (MD 31420)	
Dimensions without feet (W x H x D)	Approx. 922 x 548 x 89 mm
Dimensions with feet (W x H x D)	Approx. 922 x 608 x 275 mm
Weight without feet	Approx. 7.1 kg
Weight with feet	Approx. 7.4 kg
Mounting on the wall	Vesa standard, hole spacing 200 x 200 mm ³
Dimensions/weight X14321 (MD 31421)	
Dimensions without feet (W x H x D)	Approx. 972 x 579 x 94 mm
Dimensions with feet (W x H x D)	Approx. 972 x 622 x 220 mm
Weight without feet	Approx. 8.2 kg
Weight with feet	Approx. 11.9 kg
Mounting on the wall	Vesa standard, hole spacing 200 x 200 mm ³
Dimensions/weight X15022 (MD 31422)	
Dimensions without feet (W x H x D)	Approx. 1130 x 671 x 92 mm
Dimensions with feet (W x H x D)	Approx. 1130 x 712 x 220 mm
Weight without feet	Approx. 11.2 kg
Weight with feet	Approx. 14.8 kg
Mounting on the wall	Vesa standard, hole spacing 200 x 200 mm ³
Dimensions/weight X15523 (MD 31423)	
Dimensions without feet (W x H x D)	Approx. 1245 x 734 x 94 mm
Dimensions with feet (W x H x D)	Approx. 1245 x 774 x 220 mm
Weight without feet	Approx. 14.4 kg
Weight with feet	Approx. 18.0 kg
Mounting on the wall	Vesa standard, hole spacing 400 x 200 mm ³

Dimensions/weight X16524 (MD 31424)		
Dimensions without feet (W x H x D)	Approx. 1460 x 843 x 74 mm	
Dimensions with feet (W x H x D)	Approx. 1460 x 897 x 300 mm	
Weight without feet	Approx. 24.1 kg	
Weight with feet	Approx. 32.0 kg	
Mounting on the wall	Vesa standard, hole spacing 400 x 400 mm ³	
WLAN		
Frequency range	2.4 GHz/ 5 GHz	
WLAN standard	802.11 a/b/g/n	
Encryption	WEP/WPA/WPA2	
Frequency range/MHz	Channel	Transmitting power/dBm
2400 – 2483.5	1 – 13	19.9
5150 – 5250	36 – 48	22.4
5250 – 5350	52 – 64	22.5
5470 – 5725	100 – 140	22.5



www.tuv.com
MD31380: ID 1111216176



www.tuv.com
MD31381: ID 1111215239



www.tuv.com
MD31382: ID 1111214584



www.tuv.com
MD31420: ID 1111216285



www.tuv.com
MD31421: ID 1111213976



www.tuv.com
MD31422: ID 1111216176



www.tuv.com
MD31423: ID 1111215239



www.tuv.com
MD31424: ID 1111214584

³ Wall mount not supplied. When mounting the device, make sure that you use M6 screws. The length of the screws corresponds to the thickness of the wall mount plus 10 mm.

17.1. Product data sheet

In accordance with Regulation 1062/2010

Trademark	MEDION®							
MSN no.	30025264	30025263	30025262	30025384	30025368	30025366	30025364	30025383
Model no. (MD)	31380	31381	31382	31420	31421	31422	31423	31424
Energy efficiency class	A+	A++	A++	A+	A+	A+	A++	A++
Visible screen size (diagonal, approx.) (cm/inch)	125.7 cm (50")	138.8 cm (55")	163.9 cm (65")	101.6 cm (40")	108 cm (43")	125.7 cm (50")	138.8 cm (55")	163.8 cm (65")
Average power consumption when switched on (in watts)	65	53	75	44	48	65	53	74
Annual power consumption (kWh/year)	94	77	109	64	70	94	78	108
Standby power consumption (in watts)	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
Power consumption when switched off (in watts)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Display resolution (in pixels)	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160

17.2. Trademark information

DTS, the symbol and DTS together with the symbol are registered trademarks of DTS, Inc.



Further information regarding the DTS patents is available at <http://patents.dts.com>

The HDMI logo and High Definition Multimedia Interface are registered trademarks of HDMI Licensing LLC.



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The Bluetooth® word mark and logos are registered trademarks of Bluetooth SIG, Inc. and are used by MEDION under licence.

Blu-ray, USB, Android, Apple and other registered trademarks are property of their respective owners.

18. Service information

Please contact our Customer Service team if your device ever stops working the way you want or expect it to. There are several ways for you to contact us:

- In our Service Community, you can meet other users, as well as our staff, and you can exchange your experiences and pass on your knowledge there.
You will find our Service Community at <http://community.medion.com>.
- Alternatively, use our contact form at www.medion.com/contact.
- You can also contact our Service team via our hotline or by post.

Opening times	Hotline number UK
Mon – Fri: 08.00 – 20.00 Sat – Sun: 10.00 – 16.00	☎ 0333 3213106
	Hotline number Ireland
	☎ 1 800 992508
Service address	
MEDION Electronics Ltd. 120 Faraday Park, Faraday Road, Dorcan Swindon SN3 5JF, Wiltshire United Kingdom	



You can download this and many other sets of operating instructions from our service portal at

www.medion.com/gb/service/start/.

You will also find drivers and other software for a wide range of devices there.

You can also scan the QR code on the side of the screen, to download the operating instructions onto your mobile device from the service portal.

19. Legal Notice

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Date: 15.11.2018

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Copyright is owned by the company:

MEDION AG

Am Zehnthof 77

45307 Essen

Germany

Please note that you cannot use the address above for returns. Please always contact our Customer Service team first.

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